

164784

MALVERN TCE SITE

PRN ATTACHMENTS 10 - 11

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IN THE UNITED STATES DISTRICT COURT  
FOR THE EASTERN DISTRICT OF PENNSYLVANIA

UNITED STATES OF AMERICA and  
STATE OF PENNSYLVANIA,

Plaintiffs,

CIVIL ACTION NO.

v.

SETTLING DEFENDANTS,

Defendants.

CONSENT DECREE

I. BACKGROUND

A. The United States of America ("United States"), on behalf of the Administrator of the United States Environmental Protection Agency ("EPA"), filed a complaint in this matter pursuant to Sections 106 and 107 of the Comprehensive Environmental Response, Compensation, and Liability Act ("CERCLA"), 42 U.S.C. §§ 9606, 9607.

B. The United States in its complaint seeks, inter alia: (1) reimbursement of costs incurred by EPA and the Department of Justice for response actions at the Malvern TCE Superfund Site in East Whiteland Township, Chester County, Pennsylvania, together with accrued interest; (2) a declaratory judgment against Defendants for liability for future response costs; (3) performance of studies and response work by the Defendants at the Site consistent with the National Contingency Plan, 40 C.F.R. Part 300 (as amended) ("NCP"); and (4) such other relief as the Court finds appropriate.

C. In accordance with the NCP and Section 121(f)(1)(F) of CERCLA, 42 U.S.C. §

9621(f)(1)(F), EPA notified the Commonwealth of Pennsylvania (the "Commonwealth") on \_\_\_\_\_, 19\_\_\_\_ of negotiations with potentially responsible parties regarding the implementation of the remedial design and remedial action for the Site, and EPA has provided the State with an opportunity to participate in such negotiations and be a party to this Consent Decree.

D. In accordance with Section 122(j)(1) of CERCLA, 42 U.S.C. § 9622(j)(1), EPA notified the Natural Resources Trustees at the United States Department of the Interior and the United States Department of Commerce- National Oceanic and Atmospheric Administration on \_\_\_\_\_, 19\_\_\_\_ of negotiations with potentially responsible parties regarding the release of hazardous substances that may have resulted in injury to the natural resources under Federal trusteeship and encouraged the trustee(s) to participate in the negotiation of this Consent Decree.

E. The Defendants that have entered into this Consent Decree ("Settling Defendants") do not admit any liability to the Plaintiffs arising out of the transactions or occurrences alleged in the complaints, nor do they acknowledge that the release or threatened release of hazardous substance(s) at or from the Site constitutes an imminent or substantial endangerment to the public health or welfare or the environment.

F. Pursuant to Section 105 of CERCLA, 42 U.S.C. § 9605, EPA placed the Site on the National Priorities List, set forth at 40 C.F.R. Part 300, Appendix B, by publication in the Federal Register on September 8, 1983, 48 Fed. Reg. 40658.

G. In response to a release or a substantial threat of a release of a hazardous substance(s) at or from the Site, EPA commenced in February, 1996, a Remedial

Investigation and Feasibility Study ("RI/FS") for the Site pursuant to 40 C.F.R. § 300.430.

H. EPA completed a Remedial Investigation ("RI") Report in January, 1997, and EPA issued a Feasibility Study ("FS") Report in June, 1997.

I. Pursuant to Section 117 of CERCLA, 42 U.S.C. § 9617, EPA published notice of the completion of the FS and of the proposed plan for remedial action on June 23, 1997, in a major local newspaper of general circulation. EPA provided an opportunity for written and oral comments from the public on the proposed plan for remedial action. A copy of the transcript of the public meeting is available to the public as part of the administrative record upon which the Regional Administrator based the selection of the response action.

J. The decision by EPA on the remedial action to be implemented at the Site is embodied in a final Record of Decision ("ROD"), executed on September \_\_\_\_\_, 1997, on which the Commonwealth has given its concurrence. The ROD includes EPA's explanation for any significant differences between the final plan and the proposed plan as well as a responsiveness summary to the public comments. Notice of the final plan was published in accordance with Section 117(b) of CERCLA.

K. Based on the information presently available to EPA and the Commonwealth, EPA and the Commonwealth believe that the Work will be properly and promptly conducted by the Settling Defendants if conducted in accordance with the requirements of this Consent Decree.

L. Solely for the purposes of Section 113(j) of CERCLA, the Remedial Action selected by the ROD and the Work to be performed by the Settling Defendants shall constitute a response action taken or ordered by the President.

M. The Parties recognize, and the Court by entering this Consent Decree finds, that this Consent Decree has been negotiated by the Parties in good faith and implementation of this Consent Decree will expedite the cleanup of the Site and will avoid prolonged and complicated litigation between the Parties, and that this Consent Decree is fair, reasonable, and in the public interest.

NOW, THEREFORE, it is hereby Ordered, Adjudged, and Decreed:

## II. JURISDICTION

1. This Court has jurisdiction over the subject matter of this action pursuant to 28 U.S.C. §§ 1331 and 1345, and 42 U.S.C. §§ 9606, 9607, and 9613(b). This Court also has personal jurisdiction over the Settling Defendants. Solely for the purposes of this Consent Decree and the underlying complaints, Settling Defendants waive all objections and defenses that they may have to jurisdiction of the Court or to venue in this District. Settling Defendants shall not challenge the terms of this Consent Decree or this Court's jurisdiction to enter and enforce this Consent Decree.

## III. PARTIES BOUND

2. This Consent Decree applies to and is binding upon the United States and the Commonwealth and upon Settling Defendants and their heirs, successors and assigns. Any change in ownership or corporate status of a Settling Defendant including, but not limited to, any transfer of assets or real or personal property, shall in no way alter such Settling Defendant's responsibilities under this Consent Decree.

3. Settling Defendants shall provide a copy of this Consent Decree to each contractor hired to perform the Work (as defined below) required by this Consent Decree and to each person representing any Settling Defendant with respect to the Site or the Work and shall condition all contracts entered into hereunder upon performance of the Work in conformity with the terms of this Consent Decree. Settling Defendants or their contractors shall provide written notice of the Consent Decree to all subcontractors hired to perform any portion of the Work required by this Consent Decree. Settling Defendants shall nonetheless be responsible for ensuring that their contractors and subcontractors perform the Work contemplated herein in accordance with this Consent Decree. With regard to the activities undertaken pursuant to this Consent Decree, each contractor and subcontractor shall be deemed to be in a contractual relationship with the Settling Defendants within the meaning of Section 107(b)(3) of CERCLA, 42 U.S.C. § 9607(b)(3).

#### IV. DEFINITIONS

4. Unless otherwise expressly provided herein, terms used in this Consent Decree which are defined in CERCLA or in regulations promulgated under CERCLA shall have the meaning assigned to them in CERCLA or in such regulations. Whenever terms listed below are used in this Consent Decree or in the appendices attached hereto and incorporated hereunder, the following definitions shall apply:

"CERCLA" shall mean the Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended, 42 U.S.C. §§ 9601 *et seq.*

"Commonwealth" shall mean the Commonwealth of Pennsylvania.

"Commonwealth Future Response Costs" shall mean all costs, including, but not limited to, direct and indirect costs, that the Commonwealth incurs in reviewing or developing plans, reports and other items pursuant to this Consent Decree, verifying the Work, or otherwise implementing, overseeing, or enforcing this Consent Decree, including, but not limited to, payroll costs, contractor costs, travel costs, laboratory costs, and any costs that may be incurred by the Commonwealth pursuant to Sections VII, IX (including, but not limited to, attorneys fees and any monies paid to secure access and/or to secure institutional controls, including the amount of just compensation), and XV. Commonwealth Future Response Costs shall also include all Interim Response Costs incurred by the Commonwealth and all Interest on Commonwealth Past Response Costs that accrues pursuant to 42 U.S.C. § 9607(a) during the period from (most recent cost update) to the date of entry of this Consent Decree.

"Commonwealth Past Response Costs" shall mean all costs, including, but not limited to, direct and indirect costs, that the Commonwealth paid at or in connection with the Site through the {date of most recent cost update}, plus Interest on all such costs which has accrued pursuant to 42 U.S.C. § 9607(a).

"Consent Decree" shall mean this Decree and all appendices attached hereto (listed in Section XXIX). In the event of conflict between this Decree and any appendix, this Decree shall control.

"Day" shall mean a calendar day unless expressly stated to be a working day. "Working day" shall mean a day other than a Saturday, Sunday, or Federal holiday. In computing any period of time under this Consent Decree, where the last day would fall on a Saturday, Sunday, or Federal holiday, the period shall run until the close of business of the next

working day.

"Duly Authorized Representative" shall mean a person set forth or designated in accordance with the procedures set forth in 40 C.F.R. § 270.11(b).

"EPA" shall mean the United States Environmental Protection Agency and any successor departments or agencies of the United States.

"Future Response Costs" shall mean all costs, including, but not limited to, direct and indirect costs, that the United States incurs in reviewing or developing plans, reports and other items pursuant to this Consent Decree, verifying the Work, or otherwise implementing, overseeing, or enforcing this Consent Decree, including, but not limited to, payroll costs, contractor costs, travel costs, laboratory costs, the costs incurred pursuant to Sections VII, IX (including, but not limited to, attorneys fees and any monies paid to secure access and/or to secure institutional controls, including the amount of just compensation), XV, and Paragraph 101 of Section XXI. Future Response Costs shall also include all Interim Response Costs and all Interest on the Past Response Costs that has accrued pursuant to 42 U.S.C. § 9607(a) during the period from May 20, 1997, to the date of entry of this Consent Decree.

"HSCA" shall mean the Pennsylvania Hazardous Sites Cleanup Act, P.L. 756, No. 108, as amended, 35 P.S. §§ 6020.100 *et seq.*

"Institutional Controls" shall mean land and/or water use restrictions including, but not limited to, restrictions in the form of contractual agreements, restrictive easements/covenants that run with the land, and governmental controls.

"Interim Response Costs" shall mean all costs, including direct and indirect costs, (a)

paid by the United States in connection with the Site between May 20, 1997, and the effective date of this Consent Decree, or (b) incurred prior to the effective date of this Consent Decree but paid after that date.

"Interest" shall mean interest at the rate specified for interest on investments of the Hazardous Substance Superfund established under Subchapter A of Chapter 98 of Title 26 of the U.S. Code, compounded on October 1 of each year, in accordance with 42 U.S.C. § 9607(a).

"Matters Addressed" shall mean all Past and Future Response Costs, all Commonwealth Past and Future Response Costs, and Work as defined herein.

"National Contingency Plan" or "NCP" shall mean the National Oil and Hazardous Substances Pollution Contingency Plan promulgated pursuant to Section 105 of CERCLA, 42 U.S.C. § 9605, codified at 40 C.F.R. Part 300, and any amendments thereto.

"Operation and Maintenance" or "O & M" shall mean all activities required to maintain the effectiveness of the Remedial Action as required under the Operation and Maintenance Plan approved or developed by EPA pursuant to this Consent Decree.

"Owner, Operator, or Lessee of Residential Property" shall mean a person who owns, operates, manages, or leases Residential Property and who uses or allows the use of the Residential Property exclusively for residential purposes.

"Owner Settling Defendants" shall mean those Parties identified in Appendix C.

"PADEP" shall mean the Pennsylvania Department of Environmental Protection and any successor departments or agencies of the State.

"Paragraph" shall mean a portion of this Consent Decree identified by an arabic numeral

or an upper case letter.

"Parties" shall mean the United States, the Commonwealth of Pennsylvania, and the Settling Defendants.

"Past Response Costs" shall mean all costs, including, but not limited to, direct and indirect costs, that the United States paid at or in connection with the Site through May 20, 1997, plus Interest on all such costs which has accrued pursuant to 42 U.S.C. § 9607(a) through such date.

"Performance Standards" shall mean the cleanup standards and other measures of achievement set forth on pages \_\_\_\_ of the ROD attached hereto as Appendix A and those that are developed by the Settling Defendants and approved by EPA during Remedial Design.

"Plaintiffs" shall mean the United States and the Commonwealth of Pennsylvania.

"RCRA" shall mean the Solid Waste Disposal Act, as amended, 42 U.S.C. §§ 6901 et seq. (also known as the Resource Conservation and Recovery Act).

"Record of Decision" or "ROD" shall mean the EPA Record of Decision relating to the Malvern TCE Superfund Site signed on \_\_\_\_\_, 19\_\_\_\_\_, by the Regional Administrator, EPA Region III, or his/her delegate, and all attachments thereto. The ROD is attached as Appendix A.

"Remedial Action" shall mean those activities, except for Remedial Design and Operation and Maintenance, to be undertaken by the Settling Defendants to implement the ROD, in accordance with the final Remedial Design and Remedial Action Work Plans and other plans approved by EPA.

"Remedial Action Work Plan" shall mean the document developed pursuant to

Paragraph 13 of this Consent Decree and approved by EPA, and any amendments thereto.

"Remedial Design" shall mean those activities to be undertaken by the Settling Defendants to develop the final plans and specifications for the Remedial Action pursuant to the Remedial Design Work Plan.

"Remedial Design Work Plan" shall mean the document developed pursuant to Paragraph 13 of this Consent Decree and approved by EPA, and any amendments thereto.

"Residential Property" shall mean single or multi-family residences, including accessory land, buildings, or improvements incidental to such dwellings, which are exclusively for residential use.

"Section" shall mean a portion of this Consent Decree identified by a roman numeral.

"Settling Defendants" shall mean those Parties identified in Appendix B (Non-Owner Settling Defendants) and Appendix C (Owner Settling Defendants).

"Site" shall mean the Malvern TCE Superfund Site, encompassing approximately 5 acres, located along the southeast side of Bacton Hill in East Whiteland Township, Chester County, Pennsylvania and depicted in the ROD.

"Supervising Contractor" shall mean the principal contractor retained by the Settling Defendants to supervise and direct the implementation of the Work under this Consent Decree.

"United States" shall mean the United States of America.

"Waste Material" shall mean (1) any "hazardous substance" under Section 101(14) of CERCLA, 42 U.S.C. § 9601(14); (2) any pollutant or contaminant under Section 101(33), 42 U.S.C. § 9601(33); and (3) any "solid waste" under Section 1004(27) of RCRA, 42 U.S.C.

§ 6903(27).

"Work" shall mean all activities Settling Defendants are required to perform under this Consent Decree, except those required by Section XXV (Retention of Records).

## V. GENERAL PROVISIONS

### 5. Objectives of the Parties

The objectives of the Parties in entering into this Consent Decree are to protect public health or welfare or the environment at the Site by the design and implementation of response actions at the Site by the Settling Defendants, to reimburse response costs of the Plaintiffs, and to resolve the claims of Plaintiffs against Settling Defendants as provided in this Consent Decree.

### 6. Commitments by Settling Defendants

a. Settling Defendants shall finance and perform the Work as specified in Section VI of this Consent Decree. Settling Defendants shall also reimburse the United States and the Commonwealth for Past Response Costs and Future Response Costs as provided in this Consent Decree.

b. The obligations of Settling Defendants to finance and perform the Work and to pay amounts owed the United States and the Commonwealth under this Consent Decree are joint and several. In the event of the insolvency or other failure of any one or more Settling Defendants to implement the requirements of this Consent Decree, the remaining Settling Defendants shall complete all such requirements.

c. In the event that any of the Settling Defendants files for bankruptcy or is placed

involuntarily in bankruptcy proceedings, such Settling Defendant shall notify the United States within three (3) days of such filing.

**7. Compliance With Applicable Law**

All activities undertaken by Settling Defendants pursuant to this Consent Decree shall be performed in accordance with the requirements of all applicable federal and state laws and regulations. Settling Defendants must also comply with all applicable or relevant and appropriate requirements of all Federal and state environmental laws as set forth in the ROD. The activities conducted pursuant to this Consent Decree, if approved by EPA, shall be considered to be consistent with the NCP.

**8. Permits**

a. As provided in Section 121(e) of CERCLA and Section 300.400(e) of the NCP, no permit shall be required for any portion of the Work conducted entirely on-site (i.e., within the areal extent of contamination or in very close proximity to the contamination and necessary for implementation of the Work). Where any portion of the Work that is not on-site requires a federal or state permit or approval, Settling Defendants shall submit timely and complete applications and take all other actions necessary to obtain all such permits or approvals.

b. The Settling Defendants may seek relief under the provisions of Section XVIII (Force Majeure) of this Consent Decree for any delay in the performance of the Work resulting from a failure to obtain, or a delay in obtaining, any permit required for the Work.

c. This Consent Decree is not, and shall not be construed to be, a permit issued pursuant to any federal, state or local statute, regulation, or ordinance.

9. Notice to Successors-in-Title. With respect to any property owned or controlled by the Owner Settling Defendants that is located within the Site, within 15 days after the entry of this Consent Decree, the Owner Settling Defendants shall submit to EPA for review and approval a notice to be filed with the Office of the Prothonotary for Chester County, Commonwealth of Pennsylvania, which shall provide notice to all successors-in-title that the property is part of the Site, that EPA selected a remedy for the Site on (date), and a Consent Decree requiring implementation of the remedy by potentially responsible parties exists. Such notice shall identify the United States District Court in which the Consent Decree was filed, the name and civil action number of this case, and the date the Consent Decree was entered by the Court. The Owner Settling Defendants shall file the notice within ten (10) days of EPA's approval of the notice. The Owner Settling Defendants shall provide EPA with a certified copy of the recorded notice within ten (10) days of recording such notice.

10. At least thirty (30) days prior to the conveyance of any interest in property located within the Site, including, but not limited to, fee interests, leasehold interests, and mortgage interests, the Owner Settling Defendants conveying the interest shall give the grantee written notice of (i) this Consent Decree, (ii) any instrument by which an interest in real property has been conveyed that confers a right of access to the Site (hereinafter referred to as "access easements") pursuant to Section IX (Access and Institutional Controls), and (iii) any Institutional Controls in the form of restrictive easements/covenants that have been filed with respect to the Site pursuant to Section IX (Access and Institutional Controls). At least thirty (30) days prior to such conveyance, the Owner Settling Defendants conveying the interest shall also give written notice to EPA and the Commonwealth of the proposed

conveyance, including the name and address of the grantee, and the date on which notice of the Consent Decree, access easements, and/or restrictive easements/covenants was given to the grantee.

11. In the event of any such conveyance, the Owner Settling Defendants' obligations under this Consent Decree, including, but not limited to, any obligation to provide or secure access and Institutional Controls, as well as to abide by such Institutional Controls, pursuant to Section IX (Access and Institutional Controls) of this Consent Decree, shall continue to be met by the Owner Settling Defendants. In no event shall the conveyance release or otherwise affect the liability of the Owner Settling Defendants to comply with all provisions of this Consent Decree. If the United States approves, the grantee may perform some or all of the Work under this Consent Decree.

## **VI. PERFORMANCE OF THE WORK BY SETTLING DEFENDANTS**

12. Selection of Contractors.

a. Supervising Contractor.

i. All aspects of the Work to be performed by Settling Defendants pursuant to Sections VI (Performance of the Work by Settling Defendants), VII (Remedy Review), VIII (Quality Assurance, Sampling, and Data Analysis), and XV (Emergency Response) of this Consent Decree shall be under the direction and supervision of the Supervising Contractor, the selection of which shall be subject to acceptance or disapproval by EPA after a reasonable opportunity for review and comment by the Commonwealth.

Within ten (10) days after the lodging of this Consent Decree, Settling Defendants shall notify EPA and the Commonwealth in writing of the name, title, and qualifications of any

contractor proposed to be the Supervising Contractor. EPA will issue a notice of disapproval or acceptance of the selection of such Supervising Contractor. If at any time thereafter, Settling Defendants propose to change a Supervising Contractor, Settling Defendants shall give such notice to EPA and the Commonwealth and must obtain a notice of acceptance of such change from EPA, after a reasonable opportunity for review and comment by the Commonwealth, before the new Supervising Contractor performs, directs, or supervises any Work under this Consent Decree.

ii. If EPA disapproves the selection of a proposed Supervising Contractor, EPA will notify Settling Defendants in writing. Settling Defendants shall submit to EPA and the Commonwealth a list of at least three contractors, including the qualifications of each contractor, that would be acceptable to them within thirty (30) days of receipt of EPA's notice. EPA will provide written notice of the names of any contractor(s) whose selection it would accept. Settling Defendants may select any contractor from that list and shall notify EPA and the Commonwealth of the name of the contractor selected within twenty-one (21) days of EPA's written notice.

iii. If EPA fails to provide written notice of its acceptance or disapproval as provided in this Paragraph and this failure prevents the Settling Defendants from meeting one or more deadlines in a plan approved by the EPA pursuant to this Consent Decree, Settling Defendants may seek relief under the provisions of Section XVIII (Force Majeure) of this Consent Decree.

b. Other Contractors and Subcontractors.

i. The Settling Defendants shall submit to EPA and the Commonwealth

for acceptance by EPA the names and qualifications of any additional contractors and subcontractors they propose to use to satisfy any requirement of this Consent Decree before such contractor or subcontractor performs any Work. If EPA does not respond with a notice accepting or disapproving the proposal for additional contractors and subcontractors within fourteen (14) days of receipt by EPA of Settling Defendants' selections, the proposal for additional contractors and subcontractors shall be deemed accepted. In the event EPA disapproves any proposed contractor or subcontractor, Settling Defendants shall submit to EPA and the Commonwealth a list of at least three contractors or subcontractors, including the qualifications of each, that would be acceptable to them within ten (10) days of receipt of EPA's notice. EPA will provide written notice of the names of any contractor(s) or subcontractor(s) whose selection it would accept. Settling Defendants may select any contractor or subcontractor from that list and shall notify EPA and the Commonwealth of the name of the contractor or subcontractor selected within five (5) days of EPA's written notice.

**13. Remedial Design/Remedial Action.**

- a. Within 30 days after EPA's acceptance of the selection of the Supervising Contractor pursuant to Paragraph 12, Settling Defendants shall submit to EPA and the Commonwealth a work plan for the design of the Remedial Action at the Site ("Remedial Design Work Plan" or "RD Work Plan"). The RD Work Plan shall be prepared by the individual(s) and/or entity(ies) responsible for completion of the Remedial Design, except to the extent such persons have been disapproved by EPA. The Remedial Design Work Plan shall provide for design of the remedy set forth in the ROD and for achievement of the Performance Standards and other requirements set forth in the ROD and this Consent

Decree. Upon its approval by EPA, the Remedial Design Work Plan shall be incorporated into and become enforceable under this Consent Decree. The Settling Defendants shall also submit to EPA and the State, at the time the Remedial Design Work plan is submitted, a Health and Safety Plan for field design activities which conforms to the applicable Occupational Safety and Health Administration and EPA requirements including, but not limited to, 29 C.F.R. § 1910.120.

b. The Remedial Design Work Plan shall include plans, schedules, and methodologies for implementation of all remedial design and pre-design tasks and shall include, at a minimum:

1. a Site Management Plan;
2. a Sampling and Analysis Plan, containing:
  - a. a Field Sampling Plan; and
  - b. a Quality Assurance Project Plan ("QAPP");
3. a Remedial Design Contingency Plan;
4. a Treatability Study Work Plan which includes, at a minimum, plans and schedules for the preparation and submission of a Treatability Study Evaluation Report;
5. plans and schedules for the preparation and submission of a Preliminary Design Submittal (the preliminary design begins with the initial design and ends with the completion of approximately 30% of the design effort) containing, at a minimum:
  - a. a Design Criteria Report, including:

1. project description;
  2. design requirements and provisions;
  3. preliminary process flow diagrams;
  4. operation & maintenance requirements;
  - b. a Basis of Design Report, including:
    1. justification of design assumptions;
    2. a project delivery strategy;
    3. remedial action permits plan for off-site permits;
    4. preliminary easement/access requirements;
  - c. Preliminary Drawings and Specifications, including:
    1. outline of general specifications;
    2. preliminary schematics and drawings;
    3. chemical and geotechnical data (including data from pre-design activities);
  - d. a value engineering screen; and
  - e. preliminary Remedial Action schedule.
6. plans and schedules for the preparation and submission of an intermediate design submittal which shall be submitted at approximately 60% percent of the design effort and shall address all of EPA's comments to the preliminary design and, at a minimum, additionally include:
- a. a revised Design Criteria Report, if necessary;

- b. a revised Basis of Design Report, if necessary;
  - c. any value engineering study results;
  - d. a revised Remedial Action schedule;
  - e. a preliminary Remedial Action contingency plan;
  - f. a preliminary Remedial Action Health and Safety Plan ("HASP") for EPA acceptance;
  - g. a preliminary Remedial Action waste management plan; and
  - h. a preliminary Remedial Action Sampling and Analysis Plan.
7. plans and schedules for the preparation and submission of a pre-final design submittal which shall be submitted at approximately 90% of the design effort and shall address all of EPA's comments to the intermediate design, and, at a minimum, additionally include:
- a. a preliminary Operation & Maintenance Plan;
  - b. a preliminary Construction Quality Assurance Plan ("CQAP") (the CQAP, which shall detail the approach to quality assurance during construction activities at the Site, shall specify a quality assurance official ("QA Official"), independent of the Supervising Contractor, to conduct a quality assurance program during the construction phase of the project);
  - c. a preliminary Remedial Action decontamination plan;

- d. a draft final Remedial Action schedule;
  - e. a draft final Remedial Action contingency plan; and
  - f. a draft final Remedial Action HASP for EPA acceptance.
8. plans and schedules for the preparation and submission of a final design submittal which shall be submitted at 100% of the design effort and shall address all of EPA's comments to the pre-final design, and, at a minimum, additionally include:
- a. a final Remedial Action schedule;
  - b. a final Remedial Action contingency plan;
  - c. a final Remedial Action HASP for EPA acceptance;
  - d. a final Remedial Action waste management plan;
  - e. a preliminary Remedial Action decontamination plan and a schedule for the submission of the final Remedial Action decontamination plan;
  - f. a final Design Criteria Report;
  - g. a final Remedial Action Sampling and Analysis Plan (directed at measuring progress towards meeting the Performance Standards);
  - h. a final Basis of Design Report;
  - i. final Drawings and Specifications;
  - j. a revised Operation & Maintenance Plan and a schedule for submission of the final Operation & Maintenance Plan;

- k. a final Construction Quality Assurance Plan;
- l. a final Remedial Action decontamination plan; and
- m. a final project delivery strategy.

9. a Remedial Design schedule.

[NOTE: Depending on final remedy selected, language may be included acknowledging that certain remedial action components can be carved out and designed/implemented independently so that design/implementation of these components is not delayed while EPA approves the entire design package.]

c. Upon approval of the Remedial Design Work Plan by EPA, after a reasonable opportunity for review and comment by the Commonwealth, and submittal of the Health and Safety Plan for all field activities to EPA and the State, Settling Defendants shall implement the Remedial Design Work Plan in accordance with the schedules and methodologies contained therein. The Settling Defendants shall submit to EPA and the Commonwealth all plans, submittals, and other deliverables required under the approved Remedial Design Work Plan in accordance with the approved schedule therein for review and approval pursuant to Section XI (EPA Approval of Plans and Other Submissions). Unless otherwise directed by EPA, Settling Defendants shall not commence further Remedial Design field activities at the Site prior to approval of the Remedial Design Work Plan.

d. Upon approval, approval with conditions, or modification by EPA, as provided in Section XI (EPA Approval of Plans and Other Submissions), of all components of the final design submittal, the final design submittal shall serve as the Remedial Action Work Plan and shall be enforceable under this Consent Decree. The Settling Defendants shall implement the activities required under the Remedial Action Work Plan in accordance with the schedules and methodologies contained therein.

e. The Settling Defendants shall submit all plans, submittals, or other deliverables required under the Remedial Action Work Plan in accordance with the approved schedule for review and approval pursuant to Section XI (EPA Approval of Plans and Other Submissions). Unless otherwise directed by EPA or required under the Remedial Design Work Plan, the Settling Defendants shall not commence physical activities at the Site prior to the date for commencement set forth in the approved schedule in the Remedial Action Work Plan.

14. Resident Engineer. Following EPA approval, approval with conditions, or modification by EPA, as provided in Section XI (EPA Approval of Plans and Other Submissions), of all components of the final design submittal, and prior to commencement of any on-Site Work under the Remedial Action Work Plan, the Settling Defendants shall submit to EPA the name and qualifications of a Resident Engineer to be present at the Site during construction to ensure that the Work is performed in accordance with the approved Remedial Action Work Plan. The Resident Engineer shall be familiar with all aspects of the Remedial Design approved by EPA. EPA retains the right to disapprove the use of any Resident Engineer proposed by Settling Defendants. In the event EPA disapproves the use of any proposed Resident Engineer, Settling Defendants shall submit to EPA and the Commonwealth a list of at least three replacements, including the qualifications of each, who would be acceptable to them within five (5) days of receipt of EPA's notice. EPA will provide written notice of the names of any replacements whose use it would accept. Settling Defendants may select any replacement from the EPA notice and shall notify EPA and the Commonwealth of the name of the replacement selected within three (3) days of EPA's

written notice. Settling Defendants shall ensure that the Resident Engineer performs on-Site inspections as necessary to ensure compliance with the approved Remedial Action Work Plan and that the results of such inspections are promptly provided to Settling Defendants, EPA, and the Commonwealth. The Resident Engineer may act as the QA Official.

15. The Settling Defendants shall continue to implement the Remedial Action and O & M until the Performance Standards are achieved and for so long thereafter as is otherwise required under this Consent Decree.

16. Modification of the Work.

a. If EPA determines that modification of the Work is necessary to achieve and maintain the Performance Standards or to carry out and maintain the effectiveness of the remedy set forth in the ROD, EPA may (1) require that such modification be incorporated into the Remedial Design Work Plan, Remedial Action Work Plan, Operation and Maintenance Plan, and/or any other plan relating to such Work, and/or (2) require that Settling Defendants submit a plan for EPA approval which incorporates such modification to the Work and implement such approved plan. Provided, however, that a modification may be required pursuant to this Paragraph only to the extent that it is consistent with the scope of the remedy selected in the ROD.

b. For the purposes of this Paragraph 16 and Paragraphs 64 and 65 only, the "scope of the remedy selected in the ROD" means:

- tasks employing a technology or combination of technologies discussed in Section \_\_\_\_\_ [Selected Remedy] of the ROD to achieve and maintain the objectives described in the ROD. The technologies discussed in Section \_\_\_\_\_ of the ROD include: [Specify].
- tasks associated with monitoring of Site conditions and the effectiveness of

the Remedial Action.

- implementation of institutional controls, as defined herein.
- c. If Settling Defendants object to any modification determined by EPA to be necessary pursuant to this Paragraph, they may seek dispute resolution pursuant to Section XIX (Dispute Resolution), Paragraph 81 (record review). The Remedial Design Work Plan, Remedial Action Work Plan, Operation and Maintenance Plan, and/or related work plans shall be modified in accordance with final resolution of the dispute.

- d. Settling Defendants shall implement any work required by any modifications incorporated in the Remedial Design Work Plan, Remedial Action Work Plan, Operation and Maintenance Plan, and/or in work plans developed in accordance with this Paragraph.

- e. Nothing in this Paragraph shall be construed to limit EPA's authority to require performance of further response actions as otherwise provided in this Consent Decree.

17. Settling Defendants acknowledge and agree that nothing in this Consent Decree or the Remedial Design or Remedial Action Work Plans constitutes a warranty or representation of any kind by Plaintiffs that compliance with the work requirements set forth in the Work Plans will achieve the Performance Standards.

18. Settling Defendants shall, prior to any off-Site shipment of Waste Material from the Site to an out-of-state waste management facility, provide written notification to the appropriate state environmental official in the receiving facility's state and to the EPA Project Coordinator of such shipment of Waste Material. However, this notification

requirement shall not apply to any off-Site shipments when the total volume of all such shipments will not exceed ten (10) cubic yards.

a. The Settling Defendants shall include in the written notification the following information, where available:

1. the name and location of the facility to which the Waste Material are to be shipped;
2. the type and quantity of the Waste Material to be shipped;
3. the expected schedule for the shipment of the Waste Material; and
4. the method of transportation.

The Settling Defendants shall notify the state in which the planned receiving facility is located of major changes in the shipment plan, such as a decision to ship the Waste Material to another facility within the same state, or to a facility in another state.

b. The identity of the receiving facility and state will be determined by the Settling Defendants following the award of the contract for Remedial Action construction.

The Settling Defendants shall provide the information required by Paragraph 18.a as soon as practicable after the award of the contract but in no case less than seven (7) days before the Waste Material is actually shipped.

## VII. REMEDY REVIEW

19. Periodic Review. Settling Defendants shall conduct any studies and investigations as requested by EPA, in order to permit EPA to conduct reviews of whether the Remedial Action is protective of human health and the environment, at least every five years as

required by Section 121(c) of CERCLA and any applicable regulations.

20. EPA Selection of Further Response Actions. If EPA determines, at any time, that the Remedial Action is not protective of human health and the environment, EPA may select further response actions for the Site in accordance with the requirements of CERCLA and the NCP.

21. Opportunity To Comment. Settling Defendants and, if required by Sections 113(k)(2) or 117 of CERCLA, the public will be provided with an opportunity to comment on any further response actions proposed by EPA as a result of the review conducted pursuant to Section 121(c) of CERCLA and to submit written comments for the record during the comment period.

22. Settling Defendants' Obligation To Perform Further Response Actions. If EPA selects further response actions for the Site, the Settling Defendants shall undertake such further response actions to the extent that the reopen conditions in Paragraph 96 or Paragraph 97 (United States' reservations of liability based on unknown conditions or new information) are satisfied. If EPA requires Settling Defendants to undertake such further actions pursuant to this Paragraph, Settling Defendants may invoke the procedures set forth in Section XIX (Dispute Resolution) to dispute (1) EPA's determination that the reopen conditions of Paragraph 96 or Paragraph 97 of Section XXI (Covenants Not To Sue by Plaintiffs) are satisfied, (2) EPA's determination that the Remedial Action is not protective of human health and the environment, or (3) EPA's selection of the further response actions. Disputes pertaining to whether the Remedial Action is protective or to EPA's selection of further response actions shall be resolved pursuant to Paragraph 81 (record review).

23. Submissions of Plans. If Settling Defendants are required to perform the further response actions pursuant to Paragraph 22, they shall submit a plan for such work to EPA for approval in accordance with the procedures set forth in Section VI (Performance of the Work by Settling Defendants) and shall implement the plan approved by EPA in accordance with the provisions of this Decree.

#### **VIII. QUALITY ASSURANCE, SAMPLING, AND DATA ANALYSIS**

24. While conducting all sample collection and analysis activities required by this Consent Decree, the Settling Defendants shall implement quality assurance, quality control, and chain of custody procedures in accordance with "EPA Requirements for Quality Assurance Project Plans for Environmental Data Operation," (US EPA Quality Assurance Management Staff: August 1994) (EPA QA/R-5); "EPA NEIC Policies and Procedures Manual," (May 1986) (EPA 330/978-001-R); National Functional Guidelines for Inorganic Data Review (EPA 540/R-94/013) and Modifications to the National Functional Guidelines for Inorganic Data Review (EPA Region III: April 1993); National Functional Guidelines for Organic Data Review (EPA 540/R-94/012) and Modifications to the National Functional Guidelines for Organic Data Review (EPA Region III: September 1994); "Region III Innovative Approaches to Data Validation," (EPA Region III: September 1994); "Data Quality Objectives Process for Superfund," (EPA 540/R-93/071: September 1994); and subsequent amendments to such guidelines upon notification by EPA to Settling Defendants of such amendment. Amended guidelines shall apply only to procedures conducted after such notification. Prior to the commencement of any monitoring project under this Consent Decree, Settling Defendants shall submit to EPA for approval, after a reasonable opportunity

for review and comment by the Commonwealth, a QAPP for the Work that is consistent with the NCP and the guidance documents cited above. If relevant to the proceeding, the Parties agree that validated sampling data generated in accordance with the QAPP(s) and reviewed and approved by EPA shall be admissible as evidence, without objection, in any proceeding under this Decree. Settling Defendants shall ensure that EPA and Commonwealth personnel and their authorized representatives are allowed access at reasonable times to all laboratories utilized by Settling Defendants in implementing this Consent Decree. In addition, Settling Defendants shall ensure that such laboratories shall analyze all samples submitted by EPA pursuant to the QAPP for quality assurance monitoring. Settling Defendants shall ensure that the laboratories they utilize for the analysis of samples taken pursuant to this Decree perform all analyses according to accepted EPA methods. Settling Defendants shall submit to EPA the selected laboratory's(ies') QAPP and their qualifications, which shall include, at a minimum, previous certifications, Performance Evaluation (PE) results, equipment lists and personnel resumes. Settling Defendants shall ensure that all field methodologies utilized in collecting samples for subsequent analysis pursuant to this Decree will be conducted in accordance with the procedures set forth in the QAPP approved by EPA. At the request of EPA, Settling Defendants shall conduct one or more audits of the selected laboratory(ies) to verify analytical capability and compliance with the QAPP. Auditors shall conduct lab audits during the time the laboratory(ies) is analyzing samples collected pursuant to this Consent Decree. The lab audit shall be conducted according to procedures available from the QA Branch. Audit reports shall be submitted to the EPA Project Coordinator within fifteen (15) days of completion of the audit. The Settling Defendants shall report serious deficiencies,

including all those which adversely impact data quality, reliability or accuracy, and take action to correct such deficiencies within twenty-four (24) hours of the time the Settling Defendants knew or should have known of the deficiency.

25. Upon request, the Settling Defendants shall allow split or duplicate samples to be taken by EPA and the Commonwealth or their authorized representatives. Settling Defendants shall notify EPA and the Commonwealth not less than 28 days in advance of any sample collection activity unless shorter notice is agreed to by EPA. In addition, EPA and the Commonwealth shall have the right to take any additional samples that EPA or the Commonwealth deem necessary. Upon request, EPA and the Commonwealth shall allow the Settling Defendants to take split or duplicate samples of any samples they take as part of the Plaintiffs' oversight of the Settling Defendants' implementation of the Work.

26. Settling Defendants shall submit to EPA and the Commonwealth five (5) copies of the results of all sampling and/or tests or other data obtained or generated by or on behalf of Settling Defendants with respect to the Site and/or the implementation of this Consent Decree unless EPA agrees otherwise.

27. Notwithstanding any provision of this Consent Decree, the United States and the Commonwealth hereby retain all of their information gathering and inspection authorities and rights, including enforcement actions related thereto, under CERCLA, RCRA, and any other applicable statutes or regulations.

#### **IX. ACCESS AND INSTITUTIONAL CONTROLS**

28. Commencing upon the date of lodging of this Consent Decree, the Settling

Defendants agree to provide the United States, the Commonwealth, and their representatives, including EPA and its contractors, access at all reasonable times to the Site and any other property to which access is required for the implementation of this Consent Decree, to the extent access to the property is controlled by Settling Defendants, for the purposes of conducting any activity related to this Consent Decree including, but not limited to:

- a. Monitoring the Work;
- b. Verifying any data or information submitted to the United States or the Commonwealth;
- c. Conducting investigations relating to contamination at or near the Site;
- d. Obtaining samples;
- e. Assessing the need for, planning, or implementing additional response actions at or near the Site;
- f. Inspecting and copying records, operating logs, contracts, or other documents maintained or generated by Settling Defendants or their agents, consistent with Section XXIV; and
- g. Assessing Settling Defendants' compliance with this Consent Decree.

29. If EPA so requests, in regard to any property owned or controlled by any of the Settling Defendants, such Settling Defendants shall record in the Office of the Prothonotary for Chester County, Commonwealth of Pennsylvania, access easements that grant a right of access, running with the land, for the purpose of conducting any activity related to this Consent Decree including, but not limited to, those activities listed in Paragraph 13, above, to one or more of the following persons or entities, as directed by

EPA:

- a. the United States, on behalf of EPA, and its representatives,
- b. the Commonwealth and its representatives,
- c. the other Settling Defendants and their representatives,
- d. other appropriate grantees.

Such Settling Defendants shall, within forty-five (45) days of EPA's request, submit to EPA for review and approval with respect to such property:

- i. Draft access easements that are enforceable under the laws of the Commonwealth of Pennsylvania, free and clear of all prior liens and encumbrances (except as approved by EPA), and acceptable under the Attorney General's Title Regulations promulgated pursuant to 40 U.S.C. § 255; and
- ii. a current title commitment or report prepared in accordance with the U.S. Department of Justice Standards for the Preparation of Title Evidence in Land Acquisitions by the United States (1970) (the "Standards").

30. Within fifteen (15) days of EPA's approval and acceptance of the access easements, such Settling Defendants shall update the title search and, if it is determined that nothing has occurred since the effective date of the commitment or report to affect the title adversely, file the easements with the Office of the Prothonotary for Chester County, Commonwealth of Pennsylvania. Within thirty (30) days of filing the easements, such Settling Defendants shall provide EPA with a title insurance policy or other final title evidence acceptable under the Standards, and a certified copy of the original recorded easements showing the clerk's recording stamps.

31. To the extent that the Site or any other property to which access is required for the implementation of this Consent Decree is owned or controlled by persons other than Settling Defendants, Settling Defendants shall use best efforts to secure from such persons access for Settling Defendants, as well as for the United States and the Commonwealth and their representatives, including, but not limited to, their contractors, as necessary to effectuate this Consent Decree. For purposes of this Paragraph, "best efforts" includes the payment of reasonable sums of money in consideration of access.

32. If any access required to complete the Work is not obtained within forty-five (45) days of the date of lodging of this Consent Decree, or within forty-five (45) days of the date EPA notifies the Settling Defendants in writing or Settling Defendants identify that additional access beyond that previously secured is necessary, Settling Defendants shall promptly notify the United States in writing, and shall include in that notification a summary of the steps Settling Defendants have taken to attempt to obtain access. The United States or the Commonwealth may, as it deems appropriate, assist Settling Defendants in obtaining access. Settling Defendants shall reimburse the United States or the Commonwealth, in accordance with the procedures in Section XVI (Reimbursement of Response Costs), for all costs incurred by the United States in obtaining access.

33. Restrictions. Commencing upon the date of the EPA Regional Administrator's signature on this Consent Decree, the Settling Defendants agree to refrain from using the Site (or any other property affected by the remedy selected in the ROD) in any manner, or engaging in any other activities, that would interfere with or adversely affect the integrity or protectiveness of the remedial measures to be implemented pursuant to this Consent Decree.

including, but not limited to the following land and/or water use restrictions: (1) Specify any restrictions as per ROD; and (2) property deeds will be modified to indicate the presence of the Site to restrict unauthorized use or access and to restrict future use and development of the property.

34. If EPA so requests, in regard to property owned or controlled by one or more of the Settling Defendants, each such Settling Defendant shall record in the Office of the Prothonotary for Chester County, Commonwealth of Pennsylvania, restrictive easements/covenants, running with the land, that impose the obligations and restrictions established by Paragraph 33, above, or that are otherwise necessary to implement, ensure non-interference with, or ensure the protectiveness of the remedial measures to be performed pursuant to this Consent Decree. Such Settling Defendants shall grant the restrictive easements/covenants to one or more of the following persons or entities, as directed by EPA:

- a. the United States, on behalf of EPA, and its representatives,
- b. the Commonwealth and its representatives,
- c. the other Settling Defendants and their representatives, or
- d. other appropriate grantees.

35. Such Settling Defendants shall, within forty-five (45) days of EPA's request, submit to EPA for review and approval with respect to such property:

- a. Draft restrictive easements/covenants that are enforceable under the laws of the Commonwealth of Pennsylvania, free and clear of all prior liens and encumbrances (except as approved by EPA), and acceptable under the Attorney General's Title Regulations promulgated pursuant to 40 U.S.C. § 255; and

b. A current title commitment or report prepared in accordance with the U.S.

Department of Justice Standards for the Preparation of Title Evidence in Land Acquisitions by the United States (1970)(the "Standards").

36. Within 15 days of EPA's approval and acceptance of such restrictive easements/covenants, Settling Defendants shall update the title search and, if it is determined that nothing has occurred since the effective date of the commitment or report to affect the title adversely, file the restrictive easements/covenants with the Office of the Prothonotary for Chester County, Commonwealth of Pennsylvania.

37. Within thirty (30) days of filing the restrictive easements/covenants, such Settling Defendants shall provide EPA with a title insurance policy or other final title evidence acceptable under the Standards, and a certified copy of the original recorded restrictive easements/covenants showing the clerk's recording stamps.

38. If the Site, or any other property for which EPA determines that Institutional Controls are needed to implement, ensure non-interference with, or ensure the protectiveness of the remedial measures to be performed pursuant to this Consent Decree, is owned or controlled by persons other than a Settling Defendant, Settling Defendants shall use best efforts to secure a commitment by such persons to abide by the obligations and restrictions established by Paragraph 33, above, or that are otherwise necessary to implement, ensure non-interference with, or ensure the protectiveness of the remedial measures to be performed pursuant to this Consent Decree.

39. If EPA so requests, in regard to any property that is owned or controlled by persons other than a Settling Defendant, Settling Defendants shall also use best efforts to

secure from such persons the recordation in the Office of the Prothonotary for Chester County, Commonwealth of Pennsylvania, of restrictive easements/covenants, running with the land, that impose the obligations and restrictions established by Paragraph 33, above, or that are otherwise necessary to implement, ensure non-interference with, or ensure the protectiveness of the remedial measures to be performed pursuant to this Consent Decree. The restrictive easements/covenants shall be granted to one or more of the following persons or entities, as directed by EPA:

- a. the United States, on behalf of EPA, and its representatives,
- b. the Commonwealth and its representatives,
- c. the other Settling Defendants and their representatives, or
- d. other appropriate grantees.

If such restrictive easements/covenants are requested, Settling Defendants shall proceed in accordance with the requirements of Paragraph 34, above.

40. For purposes of Paragraphs 38 and 39, above, "best efforts" includes the payments of reasonable sums of money in consideration of Institutional Controls in the form of commitments or restrictive easements/covenants. If any commitments required under Paragraph 52, above, are not obtained within 45 days of the date of lodging of this Consent Decree, or any restrictive easements/covenants requested by EPA under Paragraph 39, above, are not submitted to EPA in draft form within forty-five (45) days of EPA's request for such restrictive easements/covenants, Settling Defendants shall promptly notify the United States in writing, and shall include in that notification a summary of the steps (including requests, offers and responses thereto) that Settling Defendants have taken to attempt to

obtain such commitments or restrictive easements/covenants. The United States, or the Commonwealth, may, as either deems appropriate, assist Settling Defendants in obtaining such commitments or restrictive easements/covenants. Settling Defendants shall reimburse the United States, or the Commonwealth, as appropriate, in accordance with the procedures in Section XVI (Reimbursement of Response Costs), for all costs incurred by the United States or the Commonwealth in obtaining such commitments or restrictive easements/covenants, including, but not limited to, the cost of attorney time and the amount of monetary consideration paid.

41. If EPA determines that Institutional Controls in the form of state or local laws, regulations, ordinances or other governmental controls are needed to implement the remedy selected in the ROD, ensure the integrity and protectiveness thereof, or ensure non-interference therewith, Settling Defendants shall cooperate with EPA's and the Commonwealth's efforts to secure such governmental controls.

42. Notwithstanding any provision of this Consent Decree, the United States, and the Commonwealth, retain all of their access authorities and rights, including enforcement authorities related thereto, under CERCLA, RCRA, and any other applicable statute or regulations.

#### **X. REPORTING REQUIREMENTS**

43. In addition to any other requirement of this Consent Decree, Settling Defendants shall submit to EPA and the Commonwealth five (5) copies each of written monthly progress reports that: (a) describe the actions which have been taken toward achieving compliance with this Consent Decree during the previous month; (b) include a summary of all results of

sampling and tests and all other data received or generated by Settling Defendants or their contractors or agents in the previous month; (c) identify all work plans, plans, and other deliverables required by this Consent Decree completed and submitted during the previous month; (d) describe all actions, including, but not limited to, data collection and implementation of work plans, which are scheduled for the next six weeks and provide other information relating to the progress of construction, including, but not limited to, critical path diagrams, Gantt charts, and Pert charts; (e) include information regarding percentage of completion, unresolved delays encountered or anticipated that may affect the future schedule for implementation of the Work, and a description of efforts made to mitigate those delays or anticipated delays; (f) include any modifications to the work plans or other schedules that Settling Defendants have proposed to EPA or that have been approved by EPA; and (g) describe all activities undertaken in support of the Community Relations Plan during the previous month and those to be undertaken in the next six weeks. Settling Defendants shall submit these progress reports to EPA and the Commonwealth by the tenth day of every month following the lodging of this Consent Decree until EPA notifies the Settling Defendants pursuant to Paragraph 64.b of Section XIV (Certification of Completion). If requested by EPA or the Commonwealth, Settling Defendants shall also provide briefings for EPA and the Commonwealth to discuss the progress of the Work.

44. The Settling Defendants shall notify EPA of any change in the schedule described in the monthly progress report for the performance of any activity, including, but not limited to, implementation of work plans, no later than seven (7) days prior to the performance of the activity. Notwithstanding the foregoing, the Settling Defendants shall notify EPA of any

change in the schedule described in the monthly progress reports for the performance of data collection no later than thirty (30) days prior to the performance of such activity.

45. Upon the occurrence of any event during performance of the Work that Settling Defendants are required to report pursuant to Section 103 of CERCLA or Section 304 of the Emergency Planning and Community Right-to-Know Act (EPCRA), Settling Defendants shall within twenty-four (24) hours of the onset of such event orally notify the EPA Project Coordinator or the Alternate EPA Project Coordinator (in the event of the unavailability of the EPA Project Coordinator), or, in the event that neither the EPA Project Coordinator or Alternate EPA Project Coordinator is available, the EPA Region III Hotline at (215) 566-3255. These reporting requirements are in addition to the reporting required by CERCLA § 103 or EPCRA § 304.

46. Within twenty (20) days of the onset of such an event, Settling Defendants shall furnish to Plaintiffs a written report, signed by the Settling Defendants' Project Coordinator, setting forth the events which occurred and the measures taken, and to be taken, in response thereto. Within thirty (30) days of the conclusion of such an event, Settling Defendants shall submit a report setting forth all actions taken in response thereto.

47. Settling Defendants shall submit 5 copies of all plans, reports, and data required by the Remedial Design Work Plan, the Remedial Action Work Plan, or any other approved plans to EPA in accordance with the schedules set forth in such plans. Settling Defendants shall simultaneously submit 5 copies of all such plans, reports, and data to the Commonwealth.

48. All reports and other documents submitted by Settling Defendants to EPA (other

than the monthly progress reports referred to above) which purport to document Settling Defendants' compliance with the terms of this Consent Decree shall be signed by a Duly Authorized Representative of the Settling Defendants.

#### XI. EPA APPROVAL OF PLANS AND OTHER SUBMISSIONS

49. After review of any plan, report or other item which is required to be submitted for approval pursuant to this Consent Decree, EPA, after reasonable opportunity for review and comment by the Commonwealth, shall: (a) approve, in whole or in part, the submission; (b) approve the submission upon specified conditions; (c) modify the submission to cure the deficiencies; (d) disapprove, in whole or in part, the submission, directing that the Settling Defendants modify the submission; or (e) any combination of the above. However, EPA shall not modify a submission without first providing Settling Defendants at least one notice of deficiency and an opportunity to cure within fourteen (14) days, or such other time as specified by EPA in such notice, except where to do so would cause serious disruption to the Work, or where previous submission(s) have been disapproved due to material defects and the deficiencies in the submission under consideration indicate to EPA a bad faith lack of effort to submit an acceptable deliverable.

50. In the event of approval, approval upon conditions, or modification by EPA, pursuant to Paragraph 49(a), (b), or (c), Settling Defendants shall proceed to take any action required by the plan, report, or other item, as approved or modified by EPA subject only to their right to invoke the Dispute Resolution procedures set forth in Section XIX (Dispute Resolution) with respect to the modifications or conditions made by EPA. In the event that

EPA modifies the submission to cure the deficiencies pursuant to Paragraph 49(c) and the submission has a material defect, EPA retains its right to seek stipulated penalties, as provided in Section XX (Stipulated Penalties).

51. a. Upon receipt of a notice of disapproval pursuant to Paragraph 49(d), Settling Defendants shall, within fourteen (14) days, or such other time as specified by EPA in such notice, correct the deficiencies and resubmit the plan, report, or other item for approval. Any stipulated penalties applicable to the submission, as provided in Section XX, shall accrue during the fourteen (14)-day period, or otherwise specified period, but shall not be payable unless the resubmission is disapproved or modified due to a material defect as provided in Paragraphs 52 and 53.

b. Notwithstanding the receipt of a notice of disapproval pursuant to Paragraph 49(d), Settling Defendants shall proceed, at the direction of EPA, to take any action required by any non-deficient portion of the submission. Implementation of any non-deficient portion of a submission shall not relieve Settling Defendants of any liability for stipulated penalties under Section XX (Stipulated Penalties).

52. In the event that a resubmitted plan, report or other item, or portion thereof, is disapproved by EPA, EPA may again require the Settling Defendants to correct the deficiencies, in accordance with the preceding Paragraphs. EPA also retains the right to modify or develop the plan, report or other item. Settling Defendants shall implement any such plan, report, or item as modified or developed by EPA, subject only to their right to invoke the procedures set forth in Section XIX (Dispute Resolution).

53. If upon resubmission, a plan, report, or item is disapproved or modified by EPA

due to a material defect, Settling Defendants shall be deemed to have failed to submit such plan, report, or item timely and adequately unless the Settling Defendants invoke the dispute resolution procedures set forth in Section XIX (Dispute Resolution) and EPA's action is overturned pursuant to that Section. The provisions of Section XIX (Dispute Resolution) and Section XX (Stipulated Penalties) shall govern the implementation of the Work and accrual and payment of any stipulated penalties during Dispute Resolution. If EPA's disapproval or modification is upheld, stipulated penalties shall accrue for such violation from the date on which the initial submission was originally required, as provided in Section XX.

54. All plans, reports, and other items required to be submitted to EPA under this Consent Decree shall, upon approval or modification by EPA, be enforceable under this Consent Decree. In the event EPA approves or modifies a portion of a plan, report, or other item required to be submitted to EPA under this Consent Decree, the approved or modified portion shall be enforceable under this Consent Decree.

## XII. PROJECT COORDINATORS

55. The EPA Project Coordinator and Alternate Project Coordinator for this Site are:

### EPA Project Coordinator:

Linda Dietz (3HW21)  
U.S. Environmental Protection Agency  
841 Chestnut Building  
Philadelphia, PA 19107  
(215) 566-3188 (phone)  
(215) 566-3001 (telefax)

### EPA Alternate Project Coordinator:

Anthony Dapolone (3HW21)  
U.S. Environmental Protection Agency  
841 Chestnut Building  
Philadelphia, PA 19107  
(215) 566-3188 (phone)  
(215) 566-3001 (telefax)

56. Within twenty (20) days of lodging this Consent Decree, Settling Defendants and the Commonwealth will notify each other and EPA, in writing, of the name, address and telephone number of their respective designated Project Coordinators and Alternate Project Coordinators. If a Project Coordinator or Alternate Project Coordinator initially designated is changed, the identity of the successor will be given to the other Parties at least five (5) working days before the changes occur, unless impracticable, but in no event later than the actual day the change is made. The Settling Defendants' Project Coordinator and Alternate Project Coordinator shall be subject to acceptance or disapproval by EPA and shall have the technical expertise sufficient to adequately oversee all aspects of the Work. The Settling Defendants' Project Coordinator and Alternate Project Coordinator shall not be an attorney for any of the Settling Defendants in this matter. The Settling Defendants' Project Coordinator and Alternate Project Coordinator may assign other representatives, including other contractors, to serve as a Site representative for oversight of performance of daily operations during remedial activities.

57. Plaintiffs may designate other representatives, including, but not limited to, EPA and Commonwealth employees, and federal and Commonwealth contractors and consultants, to observe and monitor the progress of any activity undertaken pursuant to this Consent Decree. EPA's Project Coordinator and Alternate Project Coordinator shall have the authority lawfully vested in a Remedial Project Manager (RPM) and an On-Scene

Coordinator (OSC) by the National Contingency Plan, 40 C.F.R. Part 300. In addition, EPA's Project Coordinator and Alternate Project Coordinator shall have authority, consistent with the National Contingency Plan, to halt any Work required by this Consent Decree and to take any necessary response action when s/he determines that conditions at the Site constitute an emergency situation or may present an immediate threat to public health or welfare or the environment due to release or threatened release of Waste Material.

58. EPA's Project Coordinator and the Settling Defendants' Project Coordinator will meet, at a minimum, on a monthly basis.

### **XIII. ASSURANCE OF ABILITY TO COMPLETE WORK**

59. Within thirty (30) days of entry of this Consent Decree, Settling Defendants shall establish and maintain financial security in the amount of ( amount to be provided based upon ROD) in one or more of the following forms:

- (a) A surety bond guaranteeing performance of the Work;
- (b) One or more irrevocable letters of credit equaling the total estimated cost of the Work;
- (c) A trust fund;
- (d) A guarantee to perform the Work by one or more parent corporations or subsidiaries, or by one or more unrelated corporations that have a substantial business relationship with at least one of the Settling Defendants; or
- (e) A demonstration that one or more of the Settling Defendants satisfy the requirements of 40 C.F.R. § 264.143(f) (for these purposes, references in 40 C.F.R. §

264.143(f) to "the sum of the current closure and post-closure cost estimates and the current plugging and abandonment cost estimates" shall mean the amount of financial security specified above).

60. Such financial security shall be maintained by the Settling Defendants until EPA agrees that the Work has been completed and issues a Certification of Completion in accordance with Paragraph 64.b.

61. If the Settling Defendants seek to demonstrate the ability to complete the Work through a guarantee by a third party pursuant to Paragraph 59(d) of this Consent Decree, Settling Defendants shall demonstrate that the guarantor satisfies the requirements of 40 C.F.R. § 264.143(f). If Settling Defendants seek to demonstrate their ability to complete the Work by means of the financial test or the corporate guarantee pursuant to Paragraph 59(d) or (e), they shall resubmit sworn statements conveying the information required by 40 C.F.R. Part 264.143(f) annually, on the anniversary of the effective date of this Consent Decree. In the event that EPA, after a reasonable opportunity for review and comment by the Commonwealth, determines at any time that the financial assurances provided pursuant to this Section are inadequate, Settling Defendants shall, within thirty (30) days of receipt of notice of EPA's determination, obtain and present to EPA for approval one of the other forms of financial assurance listed in Paragraph 59 of this Consent Decree. Settling Defendants' inability to demonstrate financial ability to complete the Work shall not excuse performance of any activities required under this Consent Decree.

62. If Settling Defendants can show that the estimated cost to complete the remaining Work has diminished below the amount set forth in Paragraph 59 above after entry of this

Consent Decree. Settling Defendants may, on any anniversary date of entry of this Consent Decree, or at any other time agreed to by the Parties, reduce the amount of the financial security provided under this Section to the estimated cost of the remaining work to be performed. Settling Defendants shall submit a proposal for such reduction to EPA, in accordance with the requirements of this Section, and may reduce the amount of the security upon approval by EPA. In the event of a dispute, Settling Defendants may reduce the amount of the security in accordance with the final administrative or judicial decision resolving the dispute.

63. Settling Defendants may change the form of financial assurance provided under this Section at any time, upon notice to and approval by EPA, provided that the new form of assurance meets the requirements of this Section. In the event of a dispute, Settling Defendants may change the form of the financial assurance only in accordance with the final administrative or judicial decision resolving the dispute.

#### **XIV. CERTIFICATION OF COMPLETION**

##### **64. Completion of the Remedial Action**

a. Within ninety (90) days after Settling Defendants conclude that the Remedial Action has been fully performed and the Performance Standards have been attained, Settling Defendants shall schedule and conduct a pre-certification inspection to be attended by Settling Defendants, EPA, and the Commonwealth. If, after the pre-certification inspection, the Settling Defendants still believe that the Remedial Action has been fully performed and the Performance Standards have been attained, they shall submit a written report requesting

certification to EPA for approval, with a copy to the Commonwealth, pursuant to Section XI (EPA Approval of Plans and Other Submissions) within thirty (30) days of the inspection. In the report, a registered professional engineer and the Settling Defendants' Project Coordinator shall state that the Remedial Action has been completed in full satisfaction of the requirements of this Consent Decree. The written report shall include as-built drawings signed and stamped by a professional engineer. The report shall contain the following statement, signed by a Duly Authorized Representative of a Settling Defendant or the Settling Defendants' Project Coordinator:

"To the best of my knowledge, after thorough investigation, I certify that the information contained in or accompanying this submission is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

If, after completion of the pre-certification inspection and receipt and review of the written report, EPA, after reasonable opportunity for review and comment by the Commonwealth, determines that the Remedial Action or any portion thereof has not been completed in accordance with this Consent Decree or that the Performance Standards have not been achieved, EPA will notify Settling Defendants in writing of the activities that must be undertaken by Settling Defendants pursuant to this Consent Decree to complete the Remedial Action and achieve the Performance Standards. Provided, however, that EPA may only require Settling Defendants to perform such activities pursuant to this Paragraph to the extent that such activities are consistent with the "scope of the remedy selected in the ROD," as that term is defined in Paragraph 16.b. EPA will set forth in the notice a schedule for performance of such activities consistent with the Consent Decree or require the Settling

Defendants to submit a schedule to EPA for approval pursuant to Section XI (EPA Approval of Plans and Other Submissions). Settling Defendants shall perform all activities described in the notice in accordance with the specifications and schedules established pursuant to this Paragraph, subject to their right to invoke the dispute resolution procedures set forth in Section XIX (Dispute Resolution).

b. If EPA concludes, based on the initial or any subsequent report requesting Certification of Completion and after a reasonable opportunity for review and comment by the Commonwealth, that the Remedial Action has been performed in accordance with this Consent Decree and that the Performance Standards have been achieved, EPA will so certify in writing to Settling Defendants. This certification shall constitute the Certification of Completion of the Remedial Action for purposes of this Consent Decree, including, but not limited to, Section XXI (Covenants Not to Sue by Plaintiffs). Certification of Completion of the Remedial Action shall not affect Settling Defendants' obligations under this Consent Decree.

**65. Completion of the Work**

a. Within ninety (90) days after Settling Defendants conclude that all phases of the Work (including O & M), have been fully performed, Settling Defendants shall schedule and conduct a pre-certification inspection to be attended by Settling Defendants, EPA and the Commonwealth. If, after the pre-certification inspection, the Settling Defendants still believe that the Work has been fully performed, Settling Defendants shall submit a written report by a registered professional engineer stating that the Work has been completed in full satisfaction of the requirements of this Consent Decree. The report shall contain the

following statement, signed by a Duly Authorized Representative of a Settling Defendant or the Settling Defendants' Project Coordinator:

"To the best of my knowledge, after thorough investigation, I certify that the information contained in or accompanying this submission is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

b. If, after review of the written report, EPA, after reasonable opportunity for review and comment by the Commonwealth, determines that any portion of the Work has not been completed in accordance with this Consent Decree, EPA will notify Settling Defendants in writing of the activities that must be undertaken by Settling Defendants pursuant to this Consent Decree to complete the Work. Provided, however, that EPA may only require Settling Defendants to perform such activities pursuant to this Paragraph to the extent that such activities are consistent with the "scope of the remedy selected in the ROD," as that term is defined in Paragraph 16.b. EPA will set forth in the notice a schedule for performance of such activities consistent with the Consent Decree or require the Settling Defendants to submit a schedule to EPA for approval pursuant to Section XI (EPA Approval of Plans and Other Submissions). Settling Defendants shall perform all activities described in the notice in accordance with the specifications and schedules established therein, subject to their right to invoke the dispute resolution procedures set forth in Section XIX (Dispute Resolution).

c. If EPA concludes, based on the initial or any subsequent request for Certification of Completion by Settling Defendants and after a reasonable opportunity for review and comment by the Commonwealth, that the Work has been performed in

accordance with this Consent Decree, EPA will so notify the Settling Defendants in writing.

#### **XV. EMERGENCY RESPONSE**

66. In the event of any action or occurrence during the performance of the Work which causes or threatens a release of Waste Material from the Site that constitutes an emergency situation or may present an immediate threat to public health or welfare or the environment, Settling Defendants shall, subject to Paragraph 67, immediately take all appropriate action to prevent, abate, or minimize such release or threat of release, and shall immediately notify the EPA's Project Coordinator, or, if the Project Coordinator is unavailable, EPA's Alternate Project Coordinator. If neither of these persons is available, the Settling Defendants shall notify the EPA Region III Hotline at (215) 566-3255. Settling Defendants shall take such actions in consultation with EPA's Project Coordinator or other available authorized EPA officer and in accordance with all applicable provisions of the Health and Safety Plans, the Contingency Plans, and any other applicable plans or documents developed pursuant to this Consent Decree. In the event that Settling Defendants fail to take appropriate response action as required by this Section, and EPA or, as appropriate, the Commonwealth take such action instead, Settling Defendants shall reimburse EPA and the Commonwealth all costs of the response action not inconsistent with the NCP pursuant to Section XVI (Reimbursement of Response Costs).

67. Nothing in the preceding Paragraph or in this Consent Decree shall be deemed to limit any authority of the United States, or the Commonwealth, to (a) take all appropriate action to protect human health and the environment or to prevent, abate, respond to, or

minimize an actual or threatened release of Waste Material on, at, or from the Site, or (b) direct or order such action, or seek an order from the Court, to protect human health and the environment or to prevent, abate, respond to, or minimize an actual or threatened release of Waste Material on, at, or from the Site, subject to Section XXI (Covenants Not to Sue by Plaintiffs).

#### **XVI. REIMBURSEMENT OF RESPONSE COSTS**

68. Within thirty (30) days of the effective date of this Consent Decree, Settling Defendants shall:

- a. Pay to the EPA Hazardous Substance Superfund \$ \$1,793,772.87, in reimbursement of Past Response Costs, by FedWire Electronic Funds Transfer ("EFT" or wire transfer) to the U.S. Department of Justice account in accordance with current electronic funds transfer procedures, referencing U.S.A.O. file number \_\_\_\_\_, the EPA Region and Site/Spill ID #0391, and DOJ case number \_\_\_\_\_. Payment shall be made in accordance with instructions provided to the Settling Defendants by the Financial Litigation Unit of the United States Attorney's Office for the Eastern District of Pennsylvania following lodging of the Consent Decree. Any payments received by the Department of Justice after 4:00 P.M. (Eastern Time) will be credited on the next business day. Settling Defendants shall send notice that such payment has been made to the United States as specified in Section XXVI (Notices and Submissions) and to the Docket Clerk (3RC00), United States Environmental Protection Agency, 841 Chestnut Building, Philadelphia, PA 19107.

- b. Pay to the State \$ \_\_\_\_\_ in the form of a certified check or checks

made payable to \_\_\_\_\_, in reimbursement of State Past Response Costs. The Settling Defendants shall send the certified check(s) to \_\_\_\_\_.

69. a. Settling Defendants shall reimburse the EPA Hazardous Substance Superfund for all Future Response Costs not inconsistent with the National Contingency Plan. The United States will send Settling Defendants a bill requiring payment that includes a cost summary, setting forth direct and indirect costs incurred by EPA, DOJ, and their contractors on a periodic basis. Settling Defendants shall make all payments within thirty (30) days of Settling Defendants' receipt of each bill requiring payment, except as otherwise provided in Paragraph 70. The Settling Defendants shall make all payments required by this Paragraph in the form of a certified or cashier's check or checks made payable to "EPA Hazardous Substance Superfund" and referencing the EPA Region and Site/Spill ID #0391, the DOJ case number \_\_\_\_\_, and the name and address of the party making payment. The Settling Defendants shall send the check(s) to United States Environmental Protection Agency,

Region III, Attention: Superfund Accounting, P.O. Box 360515, Pittsburgh, PA 15251-6515, and shall send copies of the check(s) to the United States as specified in Section XXVI (Notices and Submissions) and to the Docket Clerk (3RC00), United States Environmental Protection Agency, Region III, 841 Chestnut Building, Philadelphia, PA 19107.

b. Settling Defendants shall reimburse the Commonwealth for all State Future Response Costs not inconsistent with the National Contingency Plan. The Commonwealth will send Settling Defendants a bill requiring payment that includes a cost summary, which includes direct and indirect costs incurred by the State and its contractors on a periodic basis. Settling Defendants shall make all payments within thirty (30) days of Settling Defendants'

receipt of each bill requiring payment, except as otherwise provided in Paragraph 70. The Settling Defendants shall make all payments to the Commonwealth required by this Paragraph in the manner described in Paragraph 68.b.

c. Notwithstanding Paragraph 68.a, the Settling Defendants shall be obligated to reimburse the United States for oversight costs incurred in connection with Remedial Design and oversight of Removal Actions only if the decision in United States v. Rohm & Haas Co., No. 92-1517 (3rd Cir. Aug. 12, 1993), regarding the liability of responsible parties under Section 107(a)(4)(A) of CERCLA for EPA oversight costs is reversed or overturned by the Court of Appeals for the Third Circuit, the United States Supreme Court, or the United States Congress through amendment to CERCLA or otherwise. Nothing in this Paragraph 69.c shall be deemed to be an adjudication by this Court or an admission by EPA or the United States or shall be admissible in any other proceeding as to the legal issue whether oversight costs are properly recoverable under Section 107 of CERCLA or pursuant to a settlement of such an action.

70. Settling Defendants may contest payment of any Future Response Costs under Paragraph 69 if they determine that the United States or the Commonwealth has made an accounting error or if they allege that a cost item that is included represents costs that are inconsistent with the NCP. Such objection shall be made in writing within thirty (30) days of receipt of the bill and must be sent to the United States (if the United States' accounting is being disputed) or the Commonwealth (if the Commonwealth's accounting is being disputed) pursuant to Section XXVI (Notices and Submissions). Any such objection shall specifically identify the contested Future Response Costs and the basis for objection. In the event of an

objection, the Settling Defendants shall within the thirty (30) day period pay all uncontested Future Response Costs to the United States or the Commonwealth in the manner described in Paragraph 69. Simultaneously, the Settling Defendants shall establish an interest-bearing escrow account in a federally-insured, duly chartered, bank in the Commonwealth of Pennsylvania and remit to that escrow account funds equivalent to the amount of the contested Future Response Costs. The Settling Defendants shall send to the United States, as provided in Section XXVI (Notices and Submissions), and the Commonwealth a copy of the transmittal letter and check paying the uncontested Future Response Costs, and a copy of the correspondence that establishes and funds the escrow account, including, but not limited to, information containing the identity of the bank and bank account under which the escrow account is established as well as a bank statement showing the initial balance of the escrow account. Simultaneously with establishment of the escrow account, the Settling Defendants shall initiate the Dispute Resolution procedures in Section XIX (Dispute Resolution). If the United States or the Commonwealth prevails in the dispute, within five (5) days of the resolution of the dispute, the Settling Defendants shall pay the sums due (with accrued interest) to the United States or the Commonwealth, if Commonwealth costs are disputed, in the manner described in Paragraph 69. If the Settling Defendants prevail concerning any aspect of the contested costs, the Settling Defendants shall pay that portion of the costs (plus associated accrued interest) for which they did not prevail to the United States or the Commonwealth, if Commonwealth costs are disputed in the manner described in Paragraph 69; Settling Defendants shall be disbursed any balance of the escrow account. The dispute resolution procedures set forth in this Paragraph in conjunction with the procedures set forth

in Section XIX (Dispute Resolution) shall be the exclusive mechanisms for resolving disputes regarding the Settling Defendants' obligation to reimburse the United States and the Commonwealth for their Future Response Costs.

71. In the event that the payments required by Paragraph 68 are not made within thirty (30) days of the effective date of this Consent Decree or the payments required by Paragraph 69 are not made within thirty (30) days of the Settling Defendants' receipt of the bill, Settling Defendants shall pay Interest on the unpaid balance. The Interest to be paid on Past Response Costs and State Past Response Costs under this Paragraph shall begin to accrue thirty (30) days after the effective date of this Consent Decree. The Interest on Future Response Costs shall begin to accrue on the date of the bill. The Interest shall accrue through the date of the Settling Defendant's payment. Payments of Interest made under this Paragraph shall be in addition to such other remedies or sanctions available to Plaintiffs by virtue of Settling Defendants' failure to make timely payments under this Section. The Settling Defendants shall make all payments required by this Paragraph in the manner described in Paragraph 69.

## XVII. INDEMNIFICATION AND INSURANCE

72. a. The United States and the Commonwealth do not assume any liability by entering into this agreement or by virtue of any designation of Settling Defendants as EPA's authorized representatives under Section 104(e) of CERCLA. Settling Defendants shall indemnify, save, and hold harmless the United States, the Commonwealth, and their officials, agents, employees, contractors, subcontractors, or representatives for or from any

and all claims or causes of action arising from, or on account of, negligent or other wrongful acts or omissions of Settling Defendants, their officers, directors, employees, agents, contractors, subcontractors, and any persons acting on their behalf or under their control, in carrying out activities pursuant to this Consent Decree, including, but not limited to, any claims arising from any designation of Settling Defendants as EPA's authorized representatives under Section 104(e) of CERCLA. Further, the Settling Defendants agree to pay the United States and the Commonwealth all costs they incur including, but not limited to, attorneys fees and other expenses of litigation and settlement arising from, or on account of, claims made against the United States or the Commonwealth based on negligent or other wrongful acts or omissions of Settling Defendants, their officers, directors, employees, agents, contractors, subcontractors, and any persons acting on their behalf or under their control, in carrying out activities pursuant to this Consent Decree. Neither the United States nor the State shall be held out as a party to any contract entered into by or on behalf of Settling Defendants in carrying out activities pursuant to this Consent Decree. Neither the Settling Defendants nor any such contractor shall be considered an agent of the United States or the Commonwealth.

b. The United States and the Commonwealth shall give Settling Defendants notice of any claim for which the United States or the Commonwealth plans to seek indemnification pursuant to Paragraph 72.a., and shall consult with Settling Defendants prior to settling such claim.

73. Settling Defendants waive all claims against the United States and the Commonwealth for damages or reimbursement or for set-off of any payments made or to be

made to the United States or the Commonwealth, arising from or on account of any contract, agreement, or arrangement between any one or more of Settling Defendants and any person for performance of Work on or relating to the Site, including, but not limited to, claims on account of construction delays. In addition, Settling Defendants shall indemnify and hold harmless the United States and the Commonwealth with respect to any and all claims for damages or reimbursement arising from or on account of any contract, agreement, or arrangement between any one or more of Settling Defendants and any person for performance of Work on or relating to the Site, including, but not limited to, claims on account of construction delays.

74. No later than fifteen (15) days before commencing any on-site Work, Settling Defendants shall secure, and shall maintain until the first anniversary of EPA's Certification of Completion of the Remedial Action pursuant to Paragraph 64.b. of Section XIV (Certification of Completion) comprehensive general liability insurance with limits of five million dollars, combined single limit, and automobile liability insurance with limits of \$500,000, combined single limit, naming the United States and the Commonwealth as additional insured. In addition, for the duration of this Consent Decree, Settling Defendants shall satisfy, or shall ensure that their contractors or subcontractors satisfy, all applicable laws and regulations regarding the provision of worker's compensation insurance for all persons performing the Work on behalf of Settling Defendants in furtherance of this Consent Decree. Prior to commencement of the Work under this Consent Decree, Settling Defendants shall provide to EPA and the Commonwealth certificates of such insurance and a copy of each insurance policy. Settling Defendants shall resubmit such certificates and

copies of policies each year on the anniversary of the effective date of this Consent Decree.

If Settling Defendants demonstrate by evidence satisfactory to EPA and the Commonwealth that any contractor or subcontractor maintains insurance equivalent to that described above, or insurance covering the same risks but in a lesser amount, then, with respect to that contractor or subcontractor, Settling Defendants need provide only that portion of the insurance described above which is not maintained by the contractor or subcontractor.

Settling Defendants may satisfy the provisions of this Paragraph 74 if they submit to EPA for approval one of the financial assurance mechanisms of Section XIII (Assurance of Ability to Complete Work) in at least the amounts stated in this Paragraph 74 demonstrating that Settling Defendants are able to pay any claims arising out of Settling Defendants' performance of their obligations under this Consent Decree. Such financial assurance mechanism shall meet all of the requirements of Section XIII (Assurance of Ability to Complete Work). If Settling Defendants seek to utilize the mechanisms set forth in Section XIII (Assurance of Ability to Complete Work) to satisfy the provisions of this Paragraph 74, they must demonstrate an ability to pay the amounts required under this Paragraph, above and beyond that required by the obligations of Section XIII (Assurance of Ability to Complete Work).

### XVIII. FORCE MAJEURE

75. "Force majeure," for purposes of this Consent Decree, is defined as any event arising from causes beyond the control of the Settling Defendants, of any entity controlled by Settling Defendants, or of Settling Defendants' contractors, that delays or prevents the

performance of any obligation under this Consent Decree despite Settling Defendants' best efforts to fulfill the obligation. The requirement that the Settling Defendants exercise "best efforts to fulfill the obligation" includes using best efforts to anticipate any potential force majeure event and best efforts to address the effects of any potential force majeure event (a) as it is occurring, and (b) following the potential force majeure event, such that the delay is minimized to the greatest extent possible. "Force Majeure" does not include financial inability to complete the Work, a failure to attain the Performance Standards, or increased costs.

76. If any event occurs or has occurred that may delay the performance of any obligation under this Consent Decree, whether or not caused by a force majeure event, the Settling Defendants shall notify orally EPA's Project Coordinator or, in his or her absence, EPA's Alternate Project Coordinator within forty-eight (48) hours of when Settling Defendants first knew that the event might cause a delay. Within five (5) days thereafter, Settling Defendants shall provide in writing to EPA and the Commonwealth an explanation and description of the reasons for the delay; the anticipated duration of the delay; all actions taken or to be taken to prevent or minimize the delay; a schedule for implementation of any measures to be taken to prevent or mitigate the delay or the effect of the delay; the Settling Defendants' rationale for attributing such delay to a force majeure event if they intend to assert such a claim; and a statement as to whether, in the opinion of the Settling Defendants, such event may cause or contribute to an endangerment to public health, welfare or the environment. The Settling Defendants shall include with any notice all available documentation supporting their claim that the delay was attributable to a force majeure.

Failure to comply with the above requirements shall preclude Settling Defendants from asserting any claim of force majeure for that event for the period of time of such failure to comply, and for any additional delay caused by such failure. Settling Defendants shall be deemed to know of any circumstance of which Settling Defendants, any entity controlled by Settling Defendants, or Settling Defendants' contractors knew or should have known.

77. If EPA, after a reasonable opportunity for review and comment by the Commonwealth, agrees that the delay or anticipated delay is attributable to a force majeure event, the time for performance of the obligations under this Consent Decree that are affected by the force majeure event will be extended by EPA, after a reasonable opportunity for review and comment by the Commonwealth, for such time as is necessary to complete those obligations. An extension of the time for performance of the obligations affected by the force majeure event shall not, of itself, extend the time for performance of any other obligation. If EPA, after a reasonable opportunity for review and comment by the Commonwealth, does not agree that the delay or anticipated delay has been or will be caused by a force majeure event, EPA will notify the Settling Defendants in writing of its decision. If EPA, after a reasonable opportunity for review and comment by the Commonwealth, agrees that the delay is attributable to a force majeure event, EPA will notify the Settling Defendants in writing of the length of the extension, if any, for performance of the obligations affected by the force majeure event.

78. If the Settling Defendants elect to invoke the dispute resolution procedures set forth in Section XIX (Dispute Resolution), they shall do so no later than fifteen (15) days after receipt of EPA's notice. In any such proceeding, Settling Defendants shall have the burden

of demonstrating by a preponderance of the evidence that the delay or anticipated delay has been or will be caused by a force majeure event, that the duration of the delay or the extension sought was or will be warranted under the circumstances, that best efforts were exercised to avoid and mitigate the effects of the delay, and that Settling Defendants complied with the requirements of Paragraphs 75 and 76, above. If Settling Defendants carry this burden, the delay at issue shall be deemed not to be a violation by Settling Defendants of the affected obligation of this Consent Decree identified to EPA and the Court.

#### XIX. DISPUTE RESOLUTION

79. Unless otherwise expressly provided for in this Consent Decree, the dispute resolution procedures of this Section shall be the exclusive mechanism to resolve disputes arising under or with respect to this Consent Decree. However, the procedures set forth in this Section shall not apply to actions by the United States to enforce obligations of the Settling Defendants that have not been disputed in accordance with this Section.

80. Any dispute which arises under or with respect to this Consent Decree shall in the first instance be the subject of informal negotiations between the parties to the dispute. The period for informal negotiations shall not exceed twenty (20) days from the time the dispute arises, unless it is modified by written agreement of the parties to the dispute. The dispute shall be considered to have arisen when one party sends the other parties a written Notice of Dispute.

a. In the event that the parties cannot resolve a dispute by informal negotiations under the preceding Paragraph, then the position advanced by EPA shall be considered

binding unless, within ten (10) days after the conclusion of the informal negotiation period,

Settling Defendants invoke the formal dispute resolution procedures of this Section by serving on the United States and the Commonwealth a written Statement of Position on the matter in dispute, including, but not limited to, any factual data, analysis or opinion supporting that position and any supporting documentation relied upon by the Settling Defendants. The Statement of Position shall specify the Settling Defendants' position as to whether formal dispute resolution should proceed under Paragraph 81 or Paragraph 82.

b. Within fourteen (14) days after receipt of Settling Defendants' Statement of Position, EPA will serve on Settling Defendants its Statement of Position, including, but not limited to, any factual data, analysis, or opinion supporting that position and all supporting documentation relied upon by EPA. EPA's Statement of Position shall include a statement as to whether formal dispute resolution should proceed under Paragraph 81 or 82. Within seven (7) days after receipt of EPA's Statement of Position, Settling Defendants may submit a Reply.

c. If there is disagreement between EPA and the Settling Defendants as to whether dispute resolution should proceed under Paragraph 81 or 82, the parties to the dispute shall follow the procedures set forth in the Paragraph determined by EPA to be applicable. However, if the Settling Defendants ultimately appeal to the Court to resolve the dispute, the Court shall determine which Paragraph is applicable in accordance with the standards of applicability set forth in Paragraphs 81 and 82.

81. Formal dispute resolution for disputes pertaining to the selection or adequacy of any response action and all other disputes that are accorded review on the administrative record

under applicable principles of administrative law shall be conducted pursuant to the procedures set forth in this Paragraph. For purposes of this Paragraph, the adequacy of any response action includes, without limitation: (a) the adequacy or appropriateness of plans, procedures to implement plans, or any other items requiring approval by EPA under this Consent Decree; and (b) the adequacy of the performance of response actions taken pursuant to this Consent Decree. Nothing in this Consent Decree shall be construed to allow any dispute by Settling Defendants regarding the validity of the ROD's provisions.

a. An administrative record of the dispute shall be maintained by EPA and shall contain all statements of position, including supporting documentation, submitted pursuant to this Section. Where appropriate, EPA may allow submission of supplemental statements of position by the parties to the dispute.

b. The Associate Director of the Office of Superfund Programs, EPA Region III, will issue a final administrative decision resolving the dispute based on the administrative record described in Paragraph 81.a. This decision shall be binding upon the Settling Defendants, subject only to the right to seek judicial review pursuant to Paragraph 81.c. and d.

c. Any administrative decision made by EPA pursuant to Paragraph 81.b. shall be reviewable by this Court, provided that a motion for judicial review of the decision is filed by the Settling Defendants with the Court and served on all Parties within ten (10) days of receipt of EPA's decision. The motion shall include a description of the matter in dispute, the efforts made by the parties to resolve it, the relief requested, and the schedule, if any, within which the dispute must be resolved to ensure orderly implementation of this Consent

Decree. The United States may file a response to Settling Defendants' motion.

d. In proceedings on any dispute governed by this Paragraph, Settling Defendants shall have the burden of demonstrating that the decision of the Associate Director of the Office of Superfund Programs, EPA Region III, is arbitrary and capricious or otherwise not in accordance with law. Judicial review of EPA's decision shall be on the administrative record compiled pursuant to Paragraph 81.a.

82. Formal dispute resolution for disputes that neither pertain to the selection or adequacy of any response action nor are otherwise accorded review on the administrative record under applicable principles of administrative law, shall be governed by this Paragraph.

a. Following receipt of Settling Defendants' Statement of Position submitted pursuant to Paragraph 80, the Associate Director of the Office of Superfund Programs, EPA Region III, will issue a final decision resolving the dispute. The Associate Director's decision shall be binding on the Settling Defendants unless, within ten (10) days of receipt of the decision, the Settling Defendants file with the Court and serve on the parties a motion for judicial review of the decision setting forth the matter in dispute, the efforts made by the parties to resolve it, the relief requested, and the schedule, if any, within which the dispute must be resolved to ensure orderly implementation of the Consent Decree. The United States may file a response to Settling Defendants' motion.

b. Notwithstanding Paragraph M of Section I (Background) of this Consent Decree, judicial review of any dispute governed by this Paragraph shall be governed by applicable principles of law.

83. The invocation of formal dispute resolution procedures under this Section shall

not extend, postpone, or affect in any way any obligation of the Settling Defendants under this Consent Decree unless EPA or the Court agrees otherwise. Stipulated penalties with respect to the disputed matter shall continue to accrue but payment shall be stayed pending resolution of the dispute as provided in Paragraph 88. Notwithstanding the stay of payment, stipulated penalties shall accrue from the first day of noncompliance with any applicable provision of this Consent Decree. In the event that the Settling Defendants do not prevail on the disputed issue, stipulated penalties shall be assessed and paid as provided in Section XX (Stipulated Penalties).

## **XX. STIPULATED PENALTIES**

84. Settling Defendants shall be liable for stipulated penalties in the amounts set forth in Paragraphs 85 and 86, fifty percent (50%) of which shall be payable to the United States, and fifty percent (50%) of which shall be payable to the Commonwealth, for failure to comply with the requirements of this Consent Decree specified below, unless excused under Section XVIII (Force Majeure). "Compliance" by Settling Defendants shall include completion of the activities under this Consent Decree or any work plan or other plan approved under this Consent Decree identified below in accordance with all applicable requirements of law, this Consent Decree, and any plans or other documents approved by EPA pursuant to this Consent Decree and within the specified time schedules established by and approved under this Consent Decree.

85. a. The following stipulated penalties shall accrue per violation per day for any noncompliance identified in Subparagraph b:

<u>Penalty Per Violation Per Day</u>	<u>Period of Noncompliance</u>
\$5,000	1st through 14th day
\$10,000	15th through 30th day
\$15,000	31st day and beyond

b. Failure to comply with requirements of Section VI (Performance of the Work by Settling Defendants), Section VII (Remedy Review), Section VIII (Quality Assurance, Sampling, and Data Analysis), Section XI (EPA Approval of Plans and Other Submissions), and Section XV (Emergency Response).

86. The following stipulated penalties shall accrue per violation per day for any noncompliance identified in Subparagraph b:

<u>Penalty Per Violation Per Day</u>	<u>Period of Noncompliance</u>
\$1,000	1st through 14th day
\$2,000	15th through 30th day
\$3,000	30th day and beyond

b. All requirements of this Consent Decree that are not identified in Paragraph 70(b) of this Consent Decree.

87. In the event that EPA assumes performance of a portion or all of the Work pursuant to Paragraph 101 of Section XXI (Covenants Not to Sue by Plaintiffs), Settling Defendants shall be liable for a stipulated penalty in the amount of \_\_\_\_\_.

88. All penalties shall begin to accrue on the day after the complete performance is due or the day a violation occurs, and shall continue to accrue through the final day of the correction of the noncompliance or completion of the activity. However, stipulated penalties shall not accrue: (1) with respect to a deficient submission under Section XI (EPA Approval of Plans and Other Submissions), during the period, if any, beginning on the 31st day after

EPA's receipt of such submission until the date that EPA notifies Settling Defendants of any deficiency; (2) with respect to a decision by the Associate Director of the Office of Superfund Programs, EPA Region III, under Paragraph 81.b. or 82.a. of Section XIX (Dispute Resolution), during the period, if any, beginning on the 21st day after the date that Settling Defendants' reply to EPA's Statement of Position is received until the date that the Associate Director of the Office of Superfund Programs, EPA Region III, issues a final decision regarding such dispute; or (3) with respect to judicial review by this Court of any dispute under Section XIX (Dispute Resolution), during the period, if any, beginning on the 31st day after the Court's receipt of the final submission regarding the dispute until the date that the Court issues a final decision regarding such dispute. Nothing herein shall prevent the simultaneous accrual of separate penalties for separate violations of this Consent Decree.

89. Following EPA's determination that Settling Defendants have failed to comply with a requirement of this Consent Decree, EPA may give Settling Defendants written notification of the same and describe the noncompliance. EPA and the Commonwealth may send the Settling Defendants a written demand for the payment of the penalties. However, penalties shall accrue as provided in the preceding Paragraph regardless of whether EPA has notified the Settling Defendants of a violation.

90. All penalties accruing under this Section shall be due and payable to the United States and the Commonwealth within thirty (30) days of the Settling Defendants' receipt from EPA of a demand for payment of the penalties, unless Settling Defendants invoke the Dispute Resolution procedures under Section XIX (Dispute Resolution). All payments to the United States under this Section shall be paid by certified or cashier's check(s) made payable to

"EPA Hazardous Substances Superfund," shall be mailed to the United States Environmental Protection Agency, Region III, Attention: Superfund Accounting, P.O. Box 360515, Pittsburgh, PA 125251-6515, shall indicate that the payment is for stipulated penalties, and shall reference the EPA Region and Site/Spill ID #03\_ [The second 2 numbers are the Region's Site/Spill Identifier number], the DOJ Case Number \_\_\_\_\_, and the name and address of the party making payment. Copies of check(s) paid pursuant to this Section, and any accompanying transmittal letter(s), shall be sent to the United States as provided in Section XXVI (Notices and Submissions), and to the Docket Clerk (3RC00), United States Environmental Protection Agency, Region III, 841 Chestnut Building, Philadelphia, PA 19107. All payments to the Commonwealth under this Section shall be paid by certified or cashier's check(s) made payable to (insert Commonwealth procedure).

91. The payment of penalties shall not alter in any way Settling Defendants' obligation to complete the performance of the Work required under this Consent Decree.

92. Penalties shall continue to accrue as provided in Paragraph 88 during any dispute resolution period, but need not be paid until the following:

a. If the dispute is resolved by agreement or by a decision of EPA that is not appealed to this Court, accrued penalties determined to be owing shall be paid to EPA and the Commonwealth within fifteen (15) days of the agreement or the receipt of EPA's decision or order;

b. If the dispute is appealed to this Court and the United States prevails in whole or in part, Settling Defendants shall pay all accrued penalties determined by the Court to be owed to EPA and the Commonwealth within sixty (60) days of receipt of the Court's

decision or order, except as provided in Subparagraph c below;

c. If the District Court's decision is appealed by any Party, Settling Defendants shall pay all accrued penalties determined by the District Court to be owing to the United States or the Commonwealth into an interest-bearing escrow account within sixty (60) days of receipt of the Court's decision or order. Penalties shall be paid into this account as they continue to accrue, at least every sixty (60) days. Within fifteen (15) days of receipt of the final appellate court decision, the escrow agent shall pay the balance of the account to EPA and the State or to Settling Defendants to the extent that they prevail.

93. a. If Settling Defendants fail to pay stipulated penalties when due, the United States or the Commonwealth may institute proceedings to collect the penalties, as well as interest. Settling Defendants shall pay Interest on the unpaid balance, which shall begin to accrue on the date of demand made pursuant to Paragraph 90.

b. Nothing in this Consent Decree shall be construed as prohibiting, altering, or in any way limiting the ability of the United States or the Commonwealth to seek any other remedies or sanctions available by virtue of Settling Defendants' violation of this Decree or of the statutes and regulations upon which it is based, including, but not limited to, penalties pursuant to Section 122(l) of CERCLA. Provided, however, that for any particular violation of this Consent Decree, the United States shall be limited to either demanding stipulated penalties pursuant to this Section XX of the Consent Decree or pursuing civil penalties pursuant to Section 122(l) of CERCLA.

94. Notwithstanding any other provision of this Section, the United States may, in its unreviewable discretion, waive any portion of stipulated penalties that have accrued pursuant

to this Consent Decree.

## **XXI. COVENANTS NOT TO SUE BY PLAINTIFFS**

95. In consideration of the actions that will be performed and the payments that will be made by the Settling Defendants under the terms of the Consent Decree, and except as specifically provided in Paragraphs 96, 97, and 100 of this Section, the United States covenants not to sue or to take administrative action against Settling Defendants pursuant to Sections 106 and 107(a) of CERCLA relating to the Site. Except with respect to future liability, these covenants not to sue shall take effect upon the receipt by EPA of the payments required by Paragraph 68 of Section XVI (Reimbursement of Response Costs). With respect to future liability, these covenants not to sue shall take effect upon Certification of Completion of Remedial Action by EPA pursuant to Paragraph 64.b of Section XIV (Certification of Completion). These covenants not to sue are conditioned upon the satisfactory performance by Settling Defendants of their obligations under this Consent Decree. These covenants not to sue extend only to the Settling Defendants and do not extend to any other person.

96. United States' Pre-Certification Reservations. Notwithstanding any other provision of this Consent Decree, the United States reserves, and this Consent Decree is without prejudice to, the right to institute proceedings in this action or in a new action, or to issue an administrative order seeking to compel Settling Defendants (1) to perform further response actions relating to the Site or (2) to reimburse the United States for additional costs of response if, prior to Certification of Completion of the Remedial Action:

(i) conditions at the Site, previously unknown to EPA, are discovered, or  
(ii) information, previously unknown to EPA, is received, in whole or in part, and these previously unknown conditions or information together with any other relevant information indicates that the Remedial Action is not protective of human health or the environment.

97. United States' Post-Certification Reservations. Notwithstanding any other provision of this Consent Decree, the United States reserves, and this Consent Decree is without prejudice to, the right to institute proceedings in this action or in a new action, or to issue an administrative order seeking to compel Settling Defendants (a) to perform further response actions relating to the Site or (b) to reimburse the United States for additional costs of response if, subsequent to Certification of Completion of the Remedial Action:

(i) conditions at the Site, previously unknown to EPA, are discovered, or  
(ii) information, previously unknown to EPA, is received,  
in whole or in part,

and these previously unknown conditions or this information together with other relevant information indicate that the Remedial Action is not protective of human health or the environment.

98. For purposes of Paragraph 96, the information and the conditions known to EPA shall include only that information and those conditions known to EPA as of the date the ROD was signed and set forth in the Record of Decision for the Site and the administrative record supporting the Record of Decision. For purposes of Paragraph 97, the information and the conditions known to EPA shall include only that information and those conditions

known to EPA as of the date of Certification of Completion of the Remedial Action and set forth in the Record of Decision, the administrative record supporting the Record of Decision, the post-ROD administrative record, or in any information received by EPA pursuant to the requirements of this Consent Decree prior to Certification of Completion of the Remedial Action.

99. Subject to the reservations provided in this Paragraph and Settling Defendants' full compliance with this Consent Decree, and in consideration of the past actions taken and of payments to be paid by Settling Defendants, the Commonwealth covenants not to sue or order or take administrative action against Settling Defendants pursuant to Sections 106 and 107(a) of CERCLA, 42 U.S.C. §§ 9606 and 9607(a) and Sections 507, 701, 1101 and 1102 of HSCA, 35 P.S. §§ 6020.507, 6020.701, 6020.702, 6020.1101, and 6020.1102, or any other statutory or common law provision for performance of the Work and recovery of Commonwealth Past Response Costs and Commonwealth Future Response Costs as defined in this Consent Decree. Except with respect to future liability under HSCA, this covenant not to sue shall take effect upon the signing of this Consent Decree by the Parties and the receipt by the Commonwealth of the payments required by Paragraph 68 of Section XVI (Reimbursement of Response Costs). With respect to future liability under HSCA, this covenant not to sue shall become effective upon Certification of Completion of the Work by the Commonwealth pursuant to Paragraph 65 of Section XIV (Certification of Completion of the Work). These covenants not to sue are conditioned upon the satisfactory performance by Settling Defendants of their obligations under this Consent Decree. These covenants not to sue extend only to the Settling Defendants and do not extend to any other person.

100. General reservations of rights. The covenants not to sue set forth above do not pertain to any matters other than those expressly specified in Paragraph 103. The United States and the Commonwealth reserve, and this Consent Decree is without prejudice to, all rights against Settling Defendants with respect to all other matters, including but not limited to, the following:

- (a) claims based on a failure by Settling Defendants to meet a requirement of this Consent Decree;
- (b) liability arising from the past, present, or future disposal, release, or threat of release of Waste Materials outside of the Site;
- (c) liability for future disposal of Waste Material at the Site, other than as provided in the ROD, the Work, or otherwise ordered by EPA;
- (d) liability for damages for injury to, destruction of, or loss of natural resources, and for the costs of any natural resource damage assessments;
- (e) criminal liability;
- (f) liability for violations of federal or state law which occur during or after implementation of the Remedial Action; and
- (g) liability, prior to Certification of Completion of the Remedial Action, for additional response actions that EPA determines are necessary to achieve Performance Standards, but that cannot be required pursuant to Paragraph 16 (Modification of the Work);
- (h) previously incurred costs of response above the amounts reimbursed pursuant to Paragraph 68;

(i) liability for costs that the United States will incur related to the Site but are not within the definition of Future Response Costs.

101. Work Takeover. In the event EPA determines that Settling Defendants have ceased implementation of any portion of the Work, are seriously or repeatedly deficient or late in their performance of the Work, or are implementing the Work in a manner which may cause an endangerment to human health or the environment, EPA may assume the performance of all or any portions of the Work as EPA determines necessary. Settling Defendants may invoke the procedures set forth in Section XIX (Dispute Resolution), Paragraph 80, to dispute EPA's determination that takeover of the Work is warranted under this Paragraph. Costs incurred by the United States in performing the Work pursuant to this Paragraph shall be considered Future Response Costs that Settling Defendants shall pay pursuant to Section XVI (Reimbursement of Response Costs).

102. Notwithstanding any other provision of this Consent Decree, the United States and the Commonwealth retain all authority and reserve all rights to take any and all response actions authorized by law.

## XXII. COVENANTS BY SETTLING DEFENDANTS

103. Covenant Not to Sue. Subject to the reservations in Paragraph 104, Settling Defendants hereby covenant not to sue and agree not to assert any claims or causes of action against the United States or the Commonwealth with respect to the Site or this Consent Decree, including, but not limited to:

a. any direct or indirect claim for reimbursement from the Hazardous Substance Superfund (established pursuant to the Internal Revenue Code, 26 U.S.C. § 9507) through

CERCLA §§ 106(b)(2), 107, 111, 112, 113, or any other provision of law;

b. any claims against the United States, including any department, agency or instrumentality of the United States under CERCLA Sections 107 or 113 related to the Site,

or

c. any claims arising out of response activities at the Site, including claims based on EPA's and the Commonwealth's selection of response actions, oversight of response activities or approval of plans for such activities.

104. The Settling Defendants reserve, and this Consent Decree is without prejudice to, claims against the United States, subject to the provisions of Chapter 171 of Title 28 of the United States Code, for money damages for injury or loss of property or personal injury or death caused by the negligent or wrongful act or omission of any employee of the United States while acting within the scope of his or her office or employment under circumstances where the United States, if a private person, would be liable to the claimant in accordance with the law of the place where the act or omission occurred. However, any such claim shall not include a claim for any damages caused, in whole or in part, by the act or omission of any person, including any contractor, who is not a federal employee as that term is defined in 28 U.S.C. § 2671; nor shall any such claim include a claim based on EPA's selection of response actions, or the oversight or approval of the Settling Defendants' plans or activities. The foregoing applies only to claims which are brought pursuant to any statute other than CERCLA and for which the waiver of sovereign immunity is found in a statute other than CERCLA.

105. Nothing in this Consent Decree shall be deemed to constitute preauthorization of a

claim within the meaning of Section 111 of CERCLA, 42 U.S.C. § 9611, or 40 C.F.R. § 300.700(d).

106. Settling Defendants agree to waive all claims or causes of action that they may have for all matters relating to the Site, including for contribution, against any person (i) whose liability to Settling Defendants with respect to the Site is based solely on CERCLA § 107(a)(3) or (4), and (ii) who arranged for the disposal, treatment, or transport for disposal or treatment, or accepted for transport for disposal or treatment, of 55 gallons or less of liquid materials containing hazardous substances, or 100 pounds or less of solid materials containing hazardous substances, except where EPA has determined that such material contributed or could contribute significantly to the costs of response at the Site.

NOTE: Provision relating to de minimis parties may be inserted here.

### **XXIII. EFFECT OF SETTLEMENT: CONTRIBUTION PROTECTION**

107. Nothing in this Consent Decree shall be construed to create any rights in, or grant any cause of action to, any person not a Party to this Consent Decree. The preceding sentence shall not be construed to waive or nullify any rights that any person not a signatory to this decree may have under applicable law. Each of the Parties expressly reserves any and all rights (including, but not limited to, any right to contribution), defenses, claims, demands, and causes of action which each Party may have with respect to any matter, transaction, or occurrence relating in any way to the Site against any person not a Party hereto.

108. The Parties agree, and by entering this Consent Decree this Court finds, that the Settling Defendants are entitled, as of the effective date of this Consent Decree, to protection

from contribution actions or claims as provided by CERCLA Section 113(f)(2), 42 U.S.C. § 9613(f)(2), for Matters Addressed in this Consent Decree.

109. The Settling Defendants agree that with respect to any suit or claim for contribution brought by them for matters related to this Consent Decree they will notify the United States and the Commonwealth in writing no later than sixty (60) days prior to the initiation of such suit or claim.

110. The Settling Defendants also agree that with respect to any suit or claim for contribution brought against them for matters related to this Consent Decree they will notify in writing the United States and the Commonwealth within ten (10) days of service of the complaint on them. In addition, Settling Defendants shall notify the United States and the Commonwealth within ten (10) days of service or receipt of any Motion for Summary Judgment and within ten (10) days of receipt of any order from a court setting a case for trial.

111. In any subsequent administrative or judicial proceeding initiated by the United States or the Commonwealth for injunctive relief, recovery of response costs, or other appropriate relief relating to the Site, Settling Defendants shall not assert, and may not maintain, any defense or claim based upon the principles of waiver, res judicata, collateral estoppel, issue preclusion, claim-splitting, or other defenses based upon any contention that the claims raised by the United States or the Commonwealth in the subsequent proceeding were or should have been brought in the instant case; provided, however, that nothing in this Paragraph affects the enforceability of the covenants not to sue set forth in Section XXI (Covenants Not to Sue by Plaintiffs).

#### **XXIV. ACCESS TO INFORMATION**

112. Settling Defendants shall provide to EPA and the Commonwealth, upon request, copies of all documents and information within their possession or control or that of their contractors or agents relating to activities at the Site or to the implementation of this Consent Decree, including, but not limited to, sampling, analysis, chain of custody records, manifests, trucking logs, receipts, reports, sample traffic routing, correspondence, or other documents or information related to the Work. Settling Defendants shall also make available to EPA and the Commonwealth, for purposes of investigation, information gathering, or testimony, their employees, agents, or representatives with knowledge of relevant facts concerning the performance of the Work.

113. a. Settling Defendants may assert business confidentiality claims covering part or all of the documents or information submitted to Plaintiffs under this Consent Decree to the extent permitted by and in accordance with Section 104(e)(7) of CERCLA, 42 U.S.C. § 9604(e)(7), and 40 C.F.R. § 2.203(b). Documents or information determined to be confidential by EPA will be afforded the protection specified in 40 C.F.R. Part 2, Subpart B. If no claim of confidentiality accompanies documents or information when they are submitted to EPA and the Commonwealth, or if EPA has notified Settling Defendants that the documents or information are not confidential under the standards of Section 104(e)(7) of CERCLA, the public may be given access to such documents or information without further notice to Settling Defendants.

b. The Settling Defendants may assert that certain documents, records and other information are privileged under the attorney-client privilege or any other privilege

recognized by federal law. If the Settling Defendants assert such a privilege in lieu of providing documents, they shall provide the Plaintiffs with the following: (1) the title of the document, record, or information; (2) the date of the document, record, or information; (3) the name and title of the author of the document, record, or information; (4) the name and title of each addressee and recipient; (5) a description of the contents of the document, record, or information; and (6) the privilege asserted by Settling Defendants. However, no documents, reports or other information created or generated pursuant to the requirements of the Consent Decree shall be withheld on the grounds that they are privileged.

114. No claim of confidentiality shall be made with respect to any data, including, but not limited to, all sampling, analytical, monitoring, hydrogeologic, scientific, chemical, or engineering data, or any other documents or information evidencing conditions at or around the Site.

#### XXV. RETENTION OF RECORDS

115. Until ten (10) years after the Settling Defendants' receipt of EPA's notification pursuant to Paragraph 65.b of Section XIV (Certification of Completion of the Work), each Settling Defendant shall preserve and retain all records and documents now in its possession or control or which come into its possession or control that relate in any manner to the performance of the Work or liability of any person for response actions conducted and to be conducted at the Site, regardless of any corporate retention policy to the contrary. Until ten (10) years after the Settling Defendants' receipt of EPA's notification pursuant to Paragraph 65.b of Section XIV (Certification of Completion), Settling Defendants shall also instruct

their contractors and agents to preserve all documents, records, and information of whatever kind, nature, or description relating to the performance of the Work.

116. At the conclusion of this document retention period, Settling Defendants shall notify the United States and the Commonwealth at least ninety (90) days prior to the destruction of any such records or documents; and, upon request by the United States or the Commonwealth, Settling Defendants shall deliver any such records or documents to EPA or the Commonwealth. If the United States has not responded to Settling Defendants' notice prior to the time Settling Defendants intend to destroy the records or documents, Settling Defendants shall deliver all such records and documents to EPA no earlier than ten (10) days after providing an additional written notice that such records and documents will be delivered, unless EPA provides otherwise after receiving such notice. The Settling Defendants may assert that certain documents, records and other information are privileged under the attorney-client privilege or any other privilege recognized by federal law. If the Settling Defendants assert such a privilege, they shall provide the Plaintiffs with the following: (1) the title of the document, record, or information; (2) the date of the document, record, or information; (3) the name and title of the author of the document, record, or information; (4) the name and title of each addressee and recipient; (5) a description of the subject of the document, record, or information; and (6) the privilege asserted by Settling Defendants. However, no documents, reports, or other information created or generated pursuant to the requirements of the Consent Decree shall be withheld on the grounds that they are privileged.

117. Each Settling Defendant hereby certifies individually that, to the best of its

knowledge and belief, after thorough inquiry, it has not altered, mutilated, discarded, destroyed, or otherwise disposed of any records, documents, or other information relating to its potential liability regarding the Site since notification of potential liability by the United States or the Commonwealth or the filing of suit against it regarding the Site and that it has fully complied with any and all EPA requests for information pursuant to Sections 104(e) and 122(e) of CERCLA, 42 U.S.C. §§ 9604(e) and 9622(e), and Section 3007 of RCRA, 42 U.S.C. § 6927.

## XXVI. NOTICES AND SUBMISSIONS

118. Whenever, under the terms of this Consent Decree, written notice is required to be given or a report or other document is required to be sent by one Party to another, it shall be directed to the individuals at the addresses specified below, unless those individuals or their successors give notice of a change to the other Parties in writing. All notices and submissions shall be considered effective upon receipt, unless otherwise provided. Written notice as specified herein shall constitute complete satisfaction of any written notice requirement of the Consent Decree with respect to the United States, EPA, the State, and the Settling Defendants, respectively.

### As to the United States:

Chief, Environmental Enforcement Section  
Environment and Natural Resources Division  
U.S. Department of Justice  
P.O. Box 7611  
Ben Franklin Station  
Washington, D.C. 20044

Re: DOJ # \_\_\_\_\_

and

Joan A. Johnson  
Assistant Regional Counsel (3RC21)  
United States Environmental Protection Agency  
Region III  
841 Chestnut Building  
Philadelphia, PA 19107

As to EPA:

Linda Dietz (3HW21)  
EPA Project Coordinator  
United States Environmental Protection Agency  
Region III  
841 Chestnut Building  
Philadelphia, PA 19107

As to the State:

[Name]  
State Project Coordinator  
[Address]

As to the Settling Defendants:

[Name]  
Settling Defendants' Project Coordinator  
[Address]

**XXVII. EFFECTIVE DATE**

119. The effective date of this Consent Decree shall be the date upon which this  
Consent Decree is entered by the Court, except as otherwise provided herein.

the preparation of such information for dissemination to the public and in public meetings which may be held or sponsored by EPA or the Commonwealth to explain activities at or relating to the Site.

### XXXI. MODIFICATION

123. Schedules specified in this Consent Decree for completion of the Work may be modified by agreement of the EPA Project Coordinator and the Settling Defendants. All such modifications shall be made in writing.

124. Except as otherwise provided in this Paragraph, no modifications shall be made to provisions of this Consent Decree without written notification to and written approval of the United States, Settling Defendants, and the Court. Prior to providing its approval to any modification to the provisions of this Consent Decree, the United States will provide the Commonwealth with a reasonable opportunity to review and comment on the proposed modification. Modifications to the Remedial Design Work Plan, Remedial Action Work Plan, and any other plan approved by EPA under this Consent Decree that do not materially alter the requirements of those documents may be made by written agreement between the EPA Project Coordinator, after providing the Commonwealth with a reasonable opportunity to review and comment on the proposed modification, and the Settling Defendants. Modifications to the Work made pursuant to Paragraph 16 ("Modification of the Work") may be made by EPA. Nothing in this Decree shall be deemed to alter the Court's power to enforce, supervise, or approve modifications to this Consent Decree.

### XXVIII. RETENTION OF JURISDICTION

120. This Court retains jurisdiction over both the subject matter of this Consent Decree and the Settling Defendants for the duration of the performance of the terms and provisions of this Consent Decree for the purpose of enabling any of the Parties to apply to the Court at any time for such further order, direction, and relief as may be necessary or appropriate for the construction or modification of this Consent Decree, or to effectuate or enforce compliance with its terms, or to resolve disputes in accordance with Section XIX (Dispute Resolution) hereof.

### XXIX. APPENDICES

121. The following appendices are attached to and incorporated into this Consent Decree:

"Appendix A" is the ROD.

"Appendix B" is the complete list of Non-Owner Settling Defendants.

"Appendix C" is the complete list of Owner Settling Defendants.

### XXX. COMMUNITY RELATIONS

122. Settling Defendants shall propose to EPA and the Commonwealth their participation in the community relations plan to be developed by EPA. EPA will determine the appropriate role for the Settling Defendants under the Plan. Settling Defendants shall also cooperate with EPA and the State in providing information regarding the Work to the public. As requested by EPA or the Commonwealth, Settling Defendants shall participate in

**XXXII. LODGING AND OPPORTUNITY FOR PUBLIC COMMENT**

125. This Consent Decree shall be lodged with the Court for a period of not less than thirty (30) days for public notice and comment in accordance with Section 122(d)(2) of CERCLA, 42 U.S.C. § 9622(d)(2), and 28 C.F.R. § 50.7. The United States reserves the right to withdraw or withhold its consent if the comments regarding the Consent Decree disclose facts or considerations which indicate that the Consent Decree is inappropriate, improper, or inadequate. Settling Defendants consent to the entry of this Consent Decree without further notice.

126. If for any reason the Court should decline to approve this Consent Decree in the form presented, this agreement is voidable at the sole discretion of any Party and the terms of the agreement may not be used as evidence in any litigation between the Parties.

**XXXIII. SIGNATORIES/SERVICE**

127. Each undersigned representative of a Settling Defendant to this Consent Decree and the Assistant Attorney General for Environment and Natural Resources of the Department of Justice certifies that he or she is fully authorized to enter into the terms and conditions of this Consent Decree and to execute and legally bind such Party to this document.

128. Each Settling Defendant hereby agrees not to oppose entry of this Consent Decree by this Court or to challenge any provision of this Consent Decree unless the United States has notified the Settling Defendants in writing that it no longer supports entry of the Consent

Decree.

129. Each Settling Defendant shall identify, on the attached signature page, the name, address, and telephone number of an agent who is authorized to accept service of process by mail on behalf of that Party with respect to all matters arising under or relating to this Consent Decree. Settling Defendants hereby agree to accept service in that manner and to waive the formal service requirements set forth in Rule 4 of the Federal Rules of Civil Procedure and any applicable local rules of this Court, including, but not limited to, service of a summons.

**XXXIV. RELATIONSHIP BETWEEN CONSENT ORDER AND CONSENT DECREE**

114. The United States and the Settling Defendants have agreed that certain portions of the Work shall commence in accordance with Administrative Order on Consent, EPA Docket No. \_\_\_\_\_, ("Consent Order") prior to the effective date of this Consent Decree. Upon the effective date of this Consent Decree, and as set forth in Section III of the Consent Order, the Consent Order shall terminate. It is agreed by the Parties, that upon termination of the Consent Order due to entry of this Consent Decree, performance of work commenced under the Consent Order shall continue under this Consent Decree in accordance with the EPA-approved schedules and requirements developed under the Consent Order. To the extent that Settling Defendants have fulfilled obligations under the Consent Order that are also required by this Consent Decree, Settling Defendants shall also be deemed to have fulfilled such obligations under this Consent Decree.

SO ORDERED THIS \_\_\_\_ DAY OF \_\_\_\_ , 19 \_\_\_\_.

United States District Judge

THE UNDERSIGNED PARTIES enter into this Consent Decree in the  
matter of United States v. Settling Defendants, relating  
to the Malvern TCE Superfund Site.

FOR THE UNITED STATES OF AMERICA

Date: \_\_\_\_\_

---

LOIS J. SCHIFFER  
Assistant Attorney General  
Environment and Natural Resources  
Division  
U.S. Department of Justice  
Washington, D.C. 20530

---

Robert LeFevre  
Environmental Enforcement Section  
Environment and Natural Resources  
Division  
U.S. Department of Justice  
Washington, D.C. 20530

---

[Name]  
Assistant United States Attorney  
District of  
U.S. Department of Justice  
[Address]

[Name]

Assistant Administrator for  
Enforcement and Compliance Assurance  
U.S. Environmental Protection Agency

401 M Street, S.W.  
Washington, D.C. 20460

[WHERE OECA CONCURRENCE REQUIRED]

[Name]  
Office of Enforcement  
and Compliance Assurance  
U.S. Environmental Protection  
Agency  
401 M Street, S.W.  
Washington, D.C. 20460  
[WHERE OECA CONCURRENCE REQUIRED  
OR OECA ATTORNEY IS PART OF  
**NEGOTIATION TEAM]**

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**W. MICHAEL McCABE**  
Regional Administrator, Region III  
U.S. Environmental Protection  
Agency  
841 Chestnut Building  
Philadelphia, PA 19107

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**MARCI A. MULKEY**  
Regional Counsel  
U.S. Environmental Protection Agency,  
Region III  
841 Chestnut Building  
Philadelphia, PA 19107

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**Joan A. Johnson**  
Assistant Regional Counsel  
U.S. Environmental Protection Agency,  
Region III  
841 Chestnut Building  
Philadelphia, PA 19107

**United States v. Settling Defendants  
Consent Decree Signature Page**

**FOR THE STATE OF Pennsylvania**

Date: \_\_\_\_\_

[Name]

[Title]

[Address]

THE UNDERSIGNED PARTY enters into this Consent Decree in the  
matter of United States v. Settling Defendants, relating  
to the Malvern TCE Superfund Site.

FOR \_\_\_\_\_ COMPANY, INC. \*/

Date: \_\_\_\_\_

[Name -- Please Type]  
[Title -- Please Type]  
[Address -- Please Type]

Agent Authorized to Accept Service on Behalf of Above-signed Party:

Name: \_\_\_\_\_ [Please Type]  
Title: \_\_\_\_\_  
Address: \_\_\_\_\_  
Tel. Number: \_\_\_\_\_

\*/ A separate signature page must be signed by each corporation, individual or other legal



1

## LIST OF EXHIBITS FOR

### MALVERN TCE SUPERFUND SITE

#### OWNER/OPERATORS

- 1) Chemclene Corporation
  - a. General Notice Letter dated December 14, 1993
  - b. Financial Viability - Dun & Bradstreet Report
  - c. 104(e) Responses
  - d. Property Documents
- 2) W. Lloyd Balderston,
  - a. General Notice Letter dated August 23, 1996
  - b. Financial Viability
  - c. 104(e) Responses
- 3) Ruth K. Balderston
  - a. General Notice Letter dated August 26, 1996
  - b. Property Documents
- 4) King Graver
  - a. 104(e) Responses

#### DEMAXIMUS PARTIES

- 1) A.S. Koch & Sons  
c/o Starlite Industries, Inc.
  - a. General Notice Letter dated November 14, 1996
  - b. New Address Verified and General Notice Being re-sent
  - c. Financial Viability - Dun & Bradstreet Report
  - d. Site Records
  - e. PRP Site Transaction Summary w/ attached sample
- 2) ALCOA  
(Aluminum Company of America)
  - a. General Notice Letter dated November 14, 1996
  - b. Response to General Notice Letter dated November 14, 1996
  - c. Financial Viability - Dun & Bradstreet Report
  - d. Site Records
  - e. PRP Site Transaction Summary w/ attached sample
- 3) Armstrong Cork Co.  
c/o Armstrong World Industries
  - a. General Notice Letter dated November 14, 1996
  - b. Response to General Notice Letter dated November 18, 1996
  - c. Financial Viability - Dun & Bradstreet Report

- d. Site Records
- e. PRP Site Transaction Summary w/ attached Sample

4) Aydin

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated 11/15/96
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

5) Beckett Corporation

c/o Compliance Management

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 15, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

6) Burroughs Corp.

c/o Unisys Corporation

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 18, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

7) Cyprus Foote Mineral Co.

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 18, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

8) Delbar Products

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 18, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

9) Donn Corporation

c/o USG Corporation

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 18, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

- 10) Fischer & Porter Co.  
a. General Notice Letter dated November 14, 1996  
b. Address Verified General Notice Letter being re-sent  
c. Financial Viability - Dun & Bradstreet Report  
d. Site Records  
e. PRP Site Transaction Summary w/ attached sample
- 11) General Electric  
c/o Lockheed Martin  
a. General Notice Letter dated November 14, 1996  
b. Response to General Notice Letter dated November 18, 1996  
c. Financial Viability - Dun & Bradstreet Report  
d. Site Records  
e. PRP Site Transaction Summary w/ attached sample
- 12) General Motors Corporation  
a. General Notice Letter dated November 14, 1996  
b. Response to General Notice Letter dated November 18, 1996  
c. Financial Viability - Dun & Bradstreet Report  
d. Site Records  
e. PRP Site Transaction Summary w/ attached sample
- 13) Hamilton Precision Metals  
c/o Katy Industries, Inc.  
a. General Notice Letter dated November 14, 1996  
b. Response to General Notice Letter dated November 25, 1996  
c. Financial Viability - Dun & Bradstreet Report  
d. Site Records  
e. PRP Site Transaction Summary w/ attached sample
- 14) Hamilton Technology, Inc.  
c/o Bulova Technologies, Inc.  
a. General Notice Letter dated November 14, 1996  
b. Response to General Notice dated November 19, 1996  
c. Financial Viability - Dun & Bradstreet Report  
d. Site Records  
e. PRP Site Transaction Summary w/ attached sample
- 15) Hamilton Watch Co.  
a. General Notice Letter dated November 14, 1996  
b. Response to General Notice Letter dated November 18, 1996  
c. Financial Viability - Dun & Bradstreet Report  
d. Site Records  
e. PRP Site Transaction Summary w/ attached sample

**16) Handy & Harman Tube Co.**

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 19, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

**17) Hercules Aerospace Display Systems**

- c/o B.F. Goodrich Aerospace Display - Allard Industries
- a. General Notice Letter Sent November 14, 1996
  - b. Response to General Notice Letter dated November 18, 1996
  - c. New PRP address/ name change being verified and General Notice Letter being re-sent
  - d. Financial Viability of Suspected Parent - Dun & Bradstreet Report
  - e. Site Records
  - f. PRP Site Transaction Summary w/ attached sample

**18) Kawecki Berylco**

- c/o NGK Metals
- a. General Notice Letter dated November 14, 1996
  - b. Response to General Notice Letter dated November 18, 1996
  - c. Financial Viability - Dun & Bradstreet Report
  - d. Site Records
  - e. PRP Site Transaction Summary w/ attached sample

**19) Kim Manufacturing**

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated December 2, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

**20) La France Corporation**

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated December 6, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

**21) Morning Call**

- c/o The Times Mirror Company
- a. General Notice Letter dated November 14, 1996
  - b. Response to General Notice Letter undated
  - c. Financial Viability - Dun & Bradstreet Report
  - d. Site Records
  - e. PRP Site Transaction Summary w/ attached sample

- 22) NW Controls**
- a. General Notice Letter dated November 14, 1996
  - b. Response to General Notice Letter dated November 15, 1996
  - c. Financial Viability - Dun & Bradstreet Report
  - d. Site Records
  - e. PRP Site Transaction Summary w/ attached sample
- 23) Plymouth Tube**
- a. General Notice Letter dated November 14, 1996
  - b. Response to General Notice Letter dated November 18, 1996
  - c. Financial Viability - Dun & Bradstreet Report
  - d. Site Records
  - e. PRP Site Transaction Summary w/ attached sample
- 24) Porter Instruments**
- a. General Notice Letter dated November 14, 1996
  - b. Response to General Notice Letter dated November 15, 1996
  - c. Financial Viability - Dun & Bradstreet Report
  - d. Site Records
  - e. PRP Site Transaction Summary w/ attached sample
- 25) PP&L - Pennsylvania Power & Light**
- a. General Notice Letter dated November 14, 1996
  - b. Response to General Notice Letter dated November 18, 1996
  - c. Financial Viability - Dun & Bradstreet Report
  - d. Site Records
  - e. PRP Site Transaction Summary w/ attached sample
- 26) Quaker City Chemicals**
- a. General Notice Letter dated November 14, 1996
  - b. Response to General Notice Letter dated November 16, 1996
  - c. Financial Viability - Dun & Bradstreet Report
  - d. Site Records
  - e. PRP Site Transaction Summary w/ attached sample
- 27) Reilly Plating**
- a. General Notice Letter dated November 14, 1996
  - b. Response to general Notice Letter dated November 16, 1996
  - c. Financial Viability - Dun & Bradstreet Report
  - d. Site Records
  - e. PRP Site Transaction Summary w/ attached sample
- 28) Resource Technology Services**
- a. General Notice Letter dated November 14, 1996
  - b. General Notice Returned to EPA December 2, 1996
  - c. New Address Verified and General Notice Letter Being re-sent
  - d. Financial Viability - Dun & Bradstreet Incomplete
  - e. Site Records
  - f. PRP Site Transaction Summary w/ attached sample

**29) SKF Industries, Inc.**

c/o SKF USA, Inc.

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter November 18, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

**30) Samuel Miller & Sons**

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 19, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

**31) Simon Wrecking Company, Inc.**

c/o Simon Resources, Inc.

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 18, 1996
- c. Financial Viability - Dun & Bradstreet Report Incomplete
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

**32) Star Dental Corporation**

c/o DEN-TAL-EZ

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 15, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

**33) Total Recovery**

- a. General Notice Letter dated November 14, 1996
- b. General Notice Letter Returned to EPA December 2, 1996
- c. New Address Verified General Notice Letter Being re-sent
- d. Financial Viability - Dun & Bradstreet Report Incomplete
- e. Site Records
- f. PRP Site Transaction Summary w/ sample attached

**34) Vishay Resistive Systems**

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 20, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

**35) VIZ Manufacturing**

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 15, 1996

- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

36) Western Electric

- c/o Lucent Technologies
- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 19, 1996
- c. Financial Viability - Dun & Bradstreet Report
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

37) Defense Reutilization & Marketing

- a. General Notice Letter dated November 14, 1996
- b. Response to General Notice Letter dated November 19, 1996
- c. Financial Viability - Federal PRP
- d. Site Records
- e. PRP Site Transaction Summary w/ attached sample

\*\*\*\*\*Parties appearing in **BOLD** type may be dropped from the Demaximus List due to changes in volumetric rankings

#####Parties appearing in *ITALIC* type may be added to the Demaximus List due to changes in volumetric rankings.

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: ALCOA

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
1/28/75	1020002	15660		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
1/28/75	1020001	744320		NA	TRICHLORETHYLENE	Not Determined	25.00	Yes		
3/11/75	1020003	3588		NA	TRICHLORETHYLENE	Not Determined	17.00	Yes		
3/21/75	1020004	15157		NA	SCRAP TRICHLORETHYLENE	Not Determined	10.00	Yes		
7/30/75	1020005	3800		NA	TRICHLORETHYLENE	Not Determined	23.00	Yes		
8/29/75	1020006	15457		NA	SCRAP TRICHLORETHYLENE	Not Determined	22.00	Yes		
11/18/75	1020007	3812		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
4/26/76	1020008	15660		NA	SCRAP TRICHLORETHYLENE	Not Determined	15.00	Yes		
6/14/76	1020009	9387		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
9/16/76	1020010	9420		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
1/27/77	1020011	80152		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
4/7/77	1020012	3501		NA	TRICHLORETHYLENE	Not Determined	18.00	Yes		
6/20/77	1020013	3523		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
6/20/77	1020013	3533		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
12/8/77	1020014	4898		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
10/30/78	1020016	4790		NA	EMPTY DRUMS	Not Determined	0.90	No		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

**PRP Name: ALCOA**

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: A. S. Koch Corp.

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Couched Toward Ranking	Change Completed	Comments
4/25/74	1006001	3450		NA	OIL, TRICHLORETHYLENE	Not Determined	16.00	Yes		
9/12/74	1413142	10574	5241	NA	DRUMS WITH HOLES	Not Determined	4.00	No		
9/12/74	1413142	10574	5241	NA	DIRTY SLUDGE	Not Determined	15.00	Yes		
9/12/74	1413142	10574	5241	NA	EMPTY DRUMS	Not Determined	20.00	No		
1/14/75	1006003				EMPTY	Not Determined	1.00	No		
1/14/75	1006003	5525		NA	TRICHLOROETHANE	Not Determined	2.00	Yes		
1/14/75	1006003	5525		NA	JUNK OIL	Not Determined	13.00	Yes		
2/25/75	1413143	3583			1-1-1	Not Determined	3.00	Yes		
2/25/75	1413143	3583			JUNK	Not Determined	12.00	Yes		
4/2/75	1413144	3600	5650	NA	DIRTY TRI		2.00	Yes		
4/2/75	1413144	3600	5650	NA	JUNK OIL		13.00	Yes		
4/28/75	1413145	3763		NA	DIRTY TRI	Not Determined	1.00	Yes		
4/28/75	1413145	3763		NA	OIL	Not Determined	14.00	Yes		
5/19/75	1413146	3773		NA	DIRTY TRI	Not Determined	2.00	Yes		
5/19/75	1413146	3773		NA	OIL	Not Determined	12.00	Yes		
6/17/75	1006008	3785		NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: A. S. Koch Corp.

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Changes Completed	Comments
6/17/75	1006008	3785		NA	WASTE SOLVENT	Material Returned	14.00	Yes		
7/1/75	1006009	276	5731	NA	UNSPECIFIED	Material Returned	16.00	Yes		
7/1/75	1006009	276	5731	NA	EMPTY DRUMS	Not Determined	15.00	No		
8/1/75	1413147	3853		NA	TRI	Not Determined	3.00	Yes		
8/1/75	1413147	3853		NA	JUNK	Not Determined	12.00	Yes		
9/5/75	1006011	386		NA	OIL	Not Determined	14.00	Yes		
10/7/75	1413148	3891	5390	NA	TRI	Not Determined	3.00	Yes		
10/7/75	1413148	3891	5390	MA	JUNK	Not Determined	10.00	Yes		
10/29/75	1413149	3805	5912	NA	SOLVENT	Not Determined	2.00	Yes		
10/29/75	1413149	3805	5912	NA	OIL	Not determined	12.00	Yes		
11/26/75	1413150	3818	5955	NA	I-I-I	Not Determined	3.00	Yes		
11/26/75	1413150	3818	5955	NA	OIL	Not Determined	12.00	Yes		
1/13/76	1006015	3836		NA	TRICHLOROETHANE	Not Determined	3.00	Yes		
1/13/76	1006015	3836		NA	OIL	Not Determined	13.00	Yes		
2/17/76	1413151	3845		NA	TRI	Not Determined	3.00	Yes		
2/17/76	1413151	3845		NA	OIL	Not Determined	18.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

**DRAFT:**

7/21/97

PRP Name: A. S. Koch Corp.

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

## Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

PRP Name: Armstrong Cork Co.

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
1/19/78	1035001	36673		NA	TRICHLOROETHANE	Material Reclai	11.00	No		
1/19/78	1035001	36673		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
3/9/78	1035002	37280		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
3/9/78	1035002	37280		NA	RECLAIMED CHLOROTHENE	Not Determined	15.00	No		
3/31/78	1035003	37956		NA	TRICHLORETHYLENE	Material Reclai	11.00	No		
3/31/78	1035003	37956		NA	1,1,1 TRICHLOROETHANE	Not Determined	22.00	Yes		
4/24/78	1035004	38101		NA	TRICHLOROETHANE	Material Reclai	14.00	No		
4/24/78	1035004	38101		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
5/1/78	1035005	38109		NA	TRICHLOROETHANE	Material Reclai	13.00	No		
5/1/78	1035005	38109		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
5/5/78	1035006	38110		NA	TRICHLOROETHANE	Material Reclai	14.00	No		
5/5/78	1035006	38110		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
5/8/78	1035007	38111		NA	CHLOROETHENE	Material Reclai	14.00	No		
5/8/78	1035007	38111		NA	CHLOROETHENE	Not Determined	22.00	Yes		
5/15/78	1035008	38112		NA	CHLOROTHENE	Material Reclai	13.42	No		
5/15/78	1035008	38112		NA	CHLOROTHENE	Not Determined	22.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Armstrong Cork Co.

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
5/19/78	1035009	38115		NA	CHLOROTHENE	Not Determined	13.00	No		
5/19/78	1035009	38115		NA	CHLOROTHENE	Material Reclai...	22.00	Yes		
5/26/78	1035010	38116		NA	CHLOROTHENE	Material Reclai...	7.00	No		
5/26/78	1035010	38116		NA	CHLOROTHENE	Not Determined	22.00	Yes		
5/26/78	1035011	38117		NA	TRICHLOROETHANE	Material Reclai...	12.50	No		
5/26/78	1035011	38117		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
6/1/78	1035012	38118		NA	CHLOROTHENE	Material Reclai...	13.00	No		
6/1/78	1035012	38118		NA	CHLOROTHENE	Not Determined	22.00	Yes		
6/9/78	1035013	38119		NA	TRICHLOROETHANE	Material Reclai...	11.00	No		
6/9/78	1035013	38119		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
6/9/78	1413123	38120	7119	NA	RECLAIMED CHLOROTHENE	Not Determined	12.00	No		
6/9/78	1413123	38120	7119	NA	1,1,1 TRICHLOROETHANE	Not Determined	22.00	Yes		
6/13/78	1413122	38121	7123	NA	RECLAIMED CHLOROTHENE	Not Determined	13.50	No		
6/13/78	1413122	38121	7123	na	1,1,1 TRICHLOROETHANE	Not Determined	22.00	Yes		
6/22/78	1035014	38122		NA	CHLOROETHENE	Material Reclai...	11.00	No		
6/22/78	1035014	38122		NA	CHLOROETHENE	Not Determined	22.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Armstrong Cork Co.

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
6/29/78	1035015	38127		NA	TRICHLOROETHANE	Material Reclame	12.00	No		
6/29/78	1035015	38127		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
8/3/78	1035016	38128		NA	TRICHLOROETHANE	Material Reclame	12.00	No		
8/3/78	1035016	38128		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
8/14/78	1035017	38129		NA	TRICHLOROETHANE	Material Reclame	9.00	No		
8/14/78	1035017	38129		NA	TRICHLOROETHANE	Not Determined	15.00	Yes		
8/21/78	1035018	38130		NA	CHLOROETHENE	Material Reclame	12.00	No		
8/21/78	1035018	38130		NA	CHLOROETHENE	Not Determined	22.00	Yes		
9/8/78	1035019	39667		NA	TRICHLOROETHANE	Material Reclame	14.00	No		
9/8/78	1035019	39667		NA	TRICHLOROETHANE	Not Determined	25.00	Yes		
10/12/78	1035020	39668		NA	CHLOROETHENE	Material Reclame	10.00	No		
10/12/78	1035020	39668		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
10/31/78	1035900	0		NA	TRICHLOROETHANE	Material Reclame	17.00	No		
10/31/78	1035901	0		NA	TRICHLOROETHANE	Not Determined	28.00	Yes		
11/17/78	1035023	39683		NA	TRICHLOROETHANE	Material Reclame	8.64	No		
11/17/78	1035023	39683		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

. DRAFT

7/21/97

**PRP Name: Armstrong Cork Co.**

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Aydin

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
4/7/81	10410024	8488		PAA 0025664	WASTE SOLVENT MIXTURE	Chemclene	5.00	Yes		
9/14/81	10410045	0		PAA 3210546	TRICHLORETHYLENE	Chemclene	3.00	Yes		
9/14/81	10410046	0		PAA 3210550	TRICHLOROETHANE	Chemclene	8.00	Yes		
2/18/82	10410057	0		PAA 4461704	TRICHLOROETHANE	Chemclene	7.00	Yes		
2/19/82	10410064	350		PAA 4461693	TRICHLOROETHANE, TRICHLORETHYLENE	Not Determined	7.00	Yes		
2/19/82	10410067	350		PAA 4461704	TRICHLORETHYLENE	Not Determined	2.00	Yes		
3/8/82	10410075	360		PAA 4660573	TRICHLOROETHANE	Not Determined	1.00	Yes		
3/8/82	10410076	360		PAA 4660573	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	0.82	Yes		
11/16/82	10410081	512		PAA 4765596	FLAMMABLE MIXTURE	Chemclene	5.00	Yes		
11/16/82	10410085	512		PAA 4765596	EMPTY DRUMS	Chemclene	5.00	No		
6/27/84	10410092	1018		PAA 2559384	SOLDERING OIL, PETROLEUM NAPHTHA, MIXED SOL	Chemclene	1.00	Yes		
6/27/84	10410093	1016		PAA 2559384	WASTE METHYL ALCOHOL, ACETONE, XYLENE, TR	Chemclene	6.00	Yes		
6/27/84	10410094	1017		paa 2559384	WASTE PETROLEUM NAPHTHA	Chemclene	1.00	Yes		
4/29/85	10410101	17792		PAB 891063	METHANOL, ACETONE, XYLENE, TRICHLOROETHY	Chemclene	7.00	Yes		
7/31/85	10410111	56620		PAB 892194	TRICHLOROETHANE, TRICHLOROETHYLENE	Chemclene	5.00	Yes		
7/31/85	10410115	1431		PAB 00892194	EMPTY DRUMS	Chemclene	12.00	No		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Aydin

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
10/28/85	10410124	21375		PAB 892861	COMPOUND THINNING LIQUID	Chemclene	7.00	Yes		
12/12/85	10410124	59094		PAB 893266	TRICHLOROETHYLENE & TRICLORETHANE	Chemclene	3.00	Yes		
2/26/86	10410147	23884		PAB 262761	COMPOUND CLEANING LIQUID	Chemclene	7.00	Yes		
4/29/86	10410151	61608		PAB 2263380	TRICLORETHANE, TRICHLOROETHYLENE	Chemclene	4.00	Yes		
6/25/86	10410168	25771		PAB2261954	COMPOUND CLEANING LIQUID	Chemclene	8.00	Yes		
9/18/86	10410174	64065		PAB 3087405	TRICHLOROETHYLENE, TRICLORETHANE, WAVE	Chemclene	3.00	Yes		
9/18/86	10410174	1861		PAB 3087405	WASTE WAVE OIL & FLUX	Chemclene	1.00	Yes		
11/19/86	10410184	16794		NA	FREON	Not Determined	1.00	No		
12/9/86	10410193	17090		PAB3086764	ISOPROPANOL, ACETONE, TOLUENE, FREON,	Chemclene	1.00	Yes		
12/9/86	10410193	1947		PAB 3086764	WASTE ISOPROPANOL,ACETONE, METHYLENE CHL	Chemclene	1.00	Yes		
12/15/86	10410200	0		PAB3086790	FREON, WAVE OIL, FLUX OIL, EMPTY DRUMS	Not Determined	1.00	Yes		
12/15/86	10410202	1253		PAB 3088790	WASTE 1,1,1, FREON, WAVE OIL	Not Determined	4.00	Yes		
1/9/87	10410225	17074		NA	FREON	Not Determined	1.00	No		
3/26/87	10410232	17659		NA	FREON	Material Reclaime	1.00	No		
4/1/87	10410242	31151		PAB 4769586	COMPOUND CLEANING LIQUID	Chemclene	13.00	Yes		
5/20/87	10410243	67672		PAB 4770135	TRICHLOROETHYLENE, TRICLORETHANE, TRICH	Chemclene	4.00	Yes		

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5/20/87	10410251	2131		PAB 4770135	WASTE WAVE OIL & FLUX	Chemclene	1.00	Yes		
6/3/87	10410260	18147		NA	FREON	Material Reclaine	1.00	No		
7/9/87	10410271	18377		NA	FREON	Material Reclaine	1.00	No		
8/6/87	10410281	68800		PAB 4770754	TRICHLOROETHYLENE, TRICLORETHANE, TRICH	Chemclene	3.00	Yes		
8/17/87	10410291	18578		NA	FREON	Material Reclaine	1.00	No		
9/4/87	10410311	2224		PAB 4770916	COMPOUND CLEANING LIQUID	Chemclene	5.00	Yes		
10/5/87	10410321	18899		NA	FREON	Material Reclaine	1.00	No		
10/13/87	10410331	69880		PAB 4771255	TRICHLOROETHANE, TRICHLOROETHYLENE, FREO	Chemclene	4.00	Yes		
10/13/87	10410331	2265		PAB 4771255	WASTE WAVE OIL & FLUX	Chemclene	1.00	Yes		
11/24/87	10410351	2313		PAB 5248633	COMPOUND CLEANING LIQUID	Chemclene	10.00	Yes		
11/24/87	10410351	5286		NA	FREON TMS	Not Determined	1.00	No		
1/14/88	10410371	5325		NA	FREON	Not Determined	1.00	No		
1/25/88	10410391	5346		NA	FREON	Not Determined	1.00	No		
2/17/88	10410401	72120		PAB 5249392	OIL, FLUX, TRICHLOROETHANE, TRICLORETHYLE	Chemclene	2.00	Yes		
2/17/88	10410401	2397		PAB 5249392	WASTE 1,1,1 THRICHLOROETHANE, TRICLORETH	Chemclene	1.00	Yes		
2/22/88	10410431	14866		NA	EMPTY DRUMS	Not Determined	2.00	No		

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3/11/88	10410411	5394		NA	AZEROTROPE	Material Reclaine	1.00	No		
4/6/88	10413132	5419	14956	NA	EMPTY DRUMS	Not Determined	5.00	No		
4/25/88	10418023	0		PAB 5249963	FREON, TRICHLOROETHANE, TRICHLOROETHYLEN	Chemclene	2.00	Yes		
4/25/88	10419023	2491		PAB 5249963	WASTE FLUX OIL	Chemclene	1.00	Yes		
4/25/88	10419023	5440		NA	EMPTY DRUMS	Not Determined	7.00	No		
5/26/88	10410473	20233		NA	FREON	Material Reclaine	1.00	No		
6/3/88	10413133	2489	15049	PAB 5249930	WASTE 1,1,1, ISOPROPANOL, XYLENE, ACETONE, T	Chemclene	8.00	Yes		
6/13/88	10410483	20370		NA	FREON	Not Determined	1.00	No		
7/7/88	10410493	5516		NA	FREON	Material Reclaine	1.00	No		
8/5/88	10410503	20645		PAB 5250254	FREON, ALCOHOL, ACETONE, WATER	Chemclene	2.00	Yes		
8/5/88	10410503	2573		PAB 5250254	WASTE FREON, ISOPROPANOL, & METHYLENE CHL	Chemclene	2.00	Yes		
9/23/88	10410513	0		PAB 5726781	FLAMMABLE LIQUIDS, TRICHLOROETHYLENE	Chemclene	10.00	Yes		
9/27/88	10410523	45568		PAB 5726781	ACETONE, METHANOL, TRICHLOROETHANE	Chemclene	2.00	Yes		
9/27/88	10410523	45568		NA	ACETONE, METHANOL	Not Determined	8.00	Yes		
10/26/88	10410533	21107		NA	FREON	Material Reclaine	1.00	No		
11/18/88	10410543	46893		PAB 5911570	FREON, METHANOL	Chemclene	9.00	Yes		

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1/5/89	10410553	47636		PAB 5911883	FREON, ETHANOL	Chemclene	13.00	Yes		
1/27/89	10410938			PAB 5912023	WASTE WAVE OIL & FLUX	Not Determined	4.00	Yes		
1/27/89	10410938	0		PAB 5912023	OIL, FLUX, TRICHLOROETHANE	Not Determined	2.00	Yes		
3/28/89	10410588	2823		PAB 5912395	TRICHLOROETHANE, TRIFLUORETHANE	Not Determined	5.00	Yes		
5/17/89	10410593	49946		PAB 5910870	ACETONE, METHANOL, FREON,	Chemclene	3.00	Yes		
5/17/89	10410593	2894		PAB 5910870	WASTE FREON AND ETHANOL	Not Determined	7.00	Yes		
6/19/89	10410947	0		PAB 5911135	FREON, OIL, TRICHLOROETHANE	Not Determined	2.00	Yes		
6/19/89	10410947	2938		PAB 5911135	WASTE FREON, 1,1,1 TRICHLOROETHANE, AND ISOPR	Not Determined	2.00	Yes		
10/4/89	10410923	79664		PAC 1280381	FREON, OIL, TRICHLOROETHANE	Not Determined	2.00	Yes		
10/4/89	10410923	3058		PAC 1280381	WASTE FREON, 1,1,1 TRICHLOROETHANE, AND ISOPR	Not Determined	2.00	Yes		
10/30/89	10410933	3078		PAC 1280635	ACETONE, METHANOL, FREON,	Chemclene	9.00	Yes		
10/30/89	10410933	3077		PAC 1280635	WASTE FREON AND ETHANOL	Not Determined	5.00	Yes		
1/5/90	10410953	81036		PAC 1280941	FREON, FLUX OIL	Not Determined	1.00	Yes		
1/5/90	10410953	3147		PAC 1280941	WASTE FREON, 1,1,1 TRICHLOROETHANE, AND ISOPR	Not Determined	1.00	Yes		
4/2/90	10410953	582455	NA	FREON		Not Determined	1.00	Yes		
4/2/90	10410953	582455		PAC 1670675	FLUX, FREON	Chemclene	3.00	Yes		

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2/9/84	1044001	863		PAA 4769052	PERCHLORETHYLENE, ALCOHOL, CELLUSOLVE	Chemclene	2.00	Yes		
2/9/84	1044001	863		PAA 4769052	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	2.00	Yes		
2/9/84	1044001	863		PAA 4769052	PERCHLORETHYLENE	Chemclene	0.40	Yes		
6/15/84	1044002	999		PAA 2559211	PERCHLORETHYLENE	Chemclene	2.55	Yes		
6/15/84	1044002	1000		PAA 2559211	WASTE BUTYL ALCOHOL AND CELLUSOLVE	Chemclene	2.00	Yes		
10/29/84	1044900	0		PAB 889512	PERCHLORETHYLENE, ALCOHOL, CELLUSOLVE	Chemclene	2.00	Yes		
10/29/84	1044900	1135		PAB 00889572	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	3.00	Yes		
4/16/85	1044901	0		PAB 891155	PERCHLOROETHYLENE, CELLUSOLVE, ALCOHOL	Chemclene	4.00	Yes		
4/16/85	1044901	1317		PAB 00891155	WASTE PERCHLORETHYLENE	Chemclene	1.00	Yes		
5/22/85	1044902	0		PAB 891424	PERCHLOROETHYLENE, CELLUSOLVE, ALCOHOL	Chemclene	1.00	Yes		
5/22/85	1044902	1364		PAB 00891424	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	4.00	Yes		
7/19/85	1044903	0		PAB 891995	PERCHLOROETHYLENE, CELLUSOLVE, ALCOHOL	Chemclene	1.00	Yes		
7/19/85	1044903	1414		PAB 00891995	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	4.00	Yes		
9/19/85	1044911	13198		PAB 00892625	FLAMMABLES, WASTE CELLOSOLVE & DENATURE	Chemclene	5.00	Yes		
9/19/85	1044911	1471		PAB 00892625	WASTE PERCHLORETHYLENE	Chemclene	3.00	Yes		
10/24/85	1044912	1514		PAB 892916	PERCHLOROETHYLENE, CELLUSOLVE, ALCOHOL	Chemclene	2.00	Yes		

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10/24/85	10440124	1513		PAB 00892916	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	5.00	Yes		
12/12/85	10440135	1567		PAB 893281	PERCHLOROETHYLENE, CELLUSOLVE, ALCOHOL	Chemclene	1.00	Yes		
12/12/85	10440135	1566		PAB 00893281	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	2.00	Yes		
3/5/86	10440145	1654		PAB 2262842	FLAMMABLES	Chemclene	2.00	Yes		
3/5/86	10440145	1654		PAB 2262842	WASTE MIXED FLAMMABLES	Chemclene	1.00	Yes		
3/5/86	10440145	1654		PAB 2262842	WASTE MIXED FLAMMABLES	Chemclene	2.00	Yes		
6/2/86	10440151	1753		PAB 2261700	CELLUSOLVE, ALCOHOL, PERCHLOROETHYLENE,	Chemclene	7.00	Yes		
6/2/86	10440151	1753		PAB 2261700	WASTE METHYLENE CHLORIDE	Chemclene	1.00	Yes		
6/2/86	10440151	1753		PAB 2261700	WASTE PERCHLOROETHYLENE	Chemclene	1.00	Yes		
7/21/86	10440184	1795		PAB 2262072	PERCHLOROETHYLENE	Chemclene	1.00	Yes		
7/21/86	10440184	1796		PAB 2262072	CELLUSOLVE, ALCOHOL	Chemclene	10.00	Yes		
7/21/86	10440173	4825		NA	OPEN-TOP DRUM	Not Determined	1.00	No		
8/19/86	10449045	0		PAB 2262330	ETHANOL, CELLUSOLVE, PCE	Chemclene	6.00	Yes		
8/19/86	10449045	1832		PAB 2262330	PCE	Not Determined	4.00	Yes		
8/19/86	10449045	1833		PAB 2262330	WASTE ETHANOL AND CELLUSOLVE	Not Determined	1.00	Yes		
10/10/86	10449055	0		PAB 3087280	PERCHLOROETHYLENE, CELLUSOLVE, ALCOHOL,	Chemclene	9.00	Yes		

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10/10/86	1044905	1875		PAB 3087280	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	2.00	Yes		
10/10/86	1044905	1876		PAB 3087280	WASTE PERCHLORETHYLENE	Chemclene	3.00	Yes		
11/26/86	1044023	1930		PAB 3086672	PERCHLOROETHYLENE, CELLUSOLVE, SOLIDS	Chemclene	3.00	Yes		
11/26/86	1044023	1929		PAB 3086672	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	11.00	Yes		
1/20/87	1044024	1985		PAB 3086650	CELLUSOLVE, ALCOHOL	Chemclene	10.00	Yes		
2/10/87	1044025	2014		PAB 3051790	FLAMMABLES	Chemclene	5.00	Yes		
4/8/87	1044026	2085		PAB 4769671	CELLUSOLVE, DENATURED ALCOHOL	Chemclene	3.00	Yes		
4/24/87	1044027	2097		PAB 4769962	PERCHLORETHYLENE	Chemclene	8.00	Yes		
5/26/87	1044906	0		PAB 4770194	PERCHLOROETHYLENE, BUTYL ALCOHOL, CELLUS	Chemclene	4.00	Yes		
5/26/87	1044906	2135		PAB 4770194	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	9.00	Yes		
7/7/87	1044907	0		PAB 4770496	PERCHLOROETHYLENE, BUTYL ALCOHOL, CELLUS	Chemclene	7.00	Yes		
7/7/87	1044907	2173		PAB 4770496	WASTE PERCHLORETHYLENE, BUTYL ALCOHOL	Chemclene	4.00	Yes		
9/14/87	1044908	0		PAB 4770942	PERCHLOROETHYLENE, BUTYL ALCOHOL, CELLUS	Chemclene	3.00	Yes		
9/14/87	1044908	2233		PAB 4770942	WASTE PERCHLORETHYLENE, BUTYL ALCOHOL	Chemclene	7.00	Yes		
10/30/87	1044909	0		PAB 4771480	PERCHLOROETHYLENE, BUTYL ALCOHOL, CELLUS	Chemclene	2.00	Yes		
10/30/87	1044909	2290		PAB 4771480	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	3.00	Yes		

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2/5/88	1044910	0		PAB 5249274	PERCHLOROETHYLENE, DENATURED ALCOHOL, C	Chemclene	6.00	Yes		
2/5/88	1044910	2391		PAB 5249274	WASTE PERCHLORETHYLENE, BUTYL ALCOHOL	Chemclene	2.00	Yes		
3/7/88	1044911	0		PAB 5249565	PERCHLOROETHYLENE, CELLUSOLVE, DENATURE	Chemclene	2.00	Yes		
3/7/88	1044911	2421		PAB 5249565	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	5.00	Yes		
4/12/88	1044912	0		PAB 5249860	PERCHLOROETHYLENE, CELLUSOLVE, SOLIDS	Chemclene	3.00	Yes		
4/12/88	1044912	2476		PAB 5249860	WASTE PERCHLORETHYLENE, BUTYL ALCOHOL	Chemclene	1.00	Yes		
6/13/88	1044913	0		PAB 5250276	PERCHLOROETHYLENE, FLAMMABLE SOLIDS, BUT	Chemclene	2.00	Yes		
6/13/88	1044913	2530		PAB 5250276	WASTE CELLUSOLVE AND DENATURED ALCOHOL	Chemclene	6.00	Yes		
8/9/88	1044914	0		PAB 5250265	PERCHLORETHYLENE, BUTYL ALCOHOL	Chemclene	1.00	Yes		
8/26/88	1044914	2582	15188	NA	WASTE ETHANOL, ETHYL ACETATE, INKS, WATER,	Chemclene	7.00	Yes		
9/2/88	1044915	2603		PAB 5726641	FLAMMABLE LIQUID	Chemclene	3.00	Yes		
10/20/88	1044915	0		PAB 5726685	BUTYL CELLUSOLVE, ALCOHOL, SOLIDS, PERCHLO	Chemclene	5.00	Yes		
10/20/88	1044915	2643		PAB 5726685	WASTE PERCHLORETHYLENE, BUTYL ALCOHOL	Not Determined	2.00	Yes		
11/22/88	1044916	0		PAB 5911636	ETHYLENE GLYCOL, MONOETHYL ETHER, SOLIDS,	Chemclene	2.00	Yes		
11/22/88	1044916	2696		PAB 5911636	WASTE ETHYLENE GLYCOL, MONOETHYL ETHER,	Not Determined	4.00	Yes		
1/13/89	1044917	0		PAB 5911964	ETHYLENE GLYCOL, SOLIDS, PERCHLOROETHYLE	Chemclene	4.00	Yes		

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1/31/74	1061001	10101	NA	NA	DIRTY CHLOROTHENE	Not Determined	13.00	Yes		
1/31/74	1061002	10102	NA	NA	DIRTY CHLOROTHENE	Not Determined	14.00	Yes		
1/31/74	1413036	10101	NA	NA	DIRTY OIL	NOT DETERMINE	1.00	Yes		
1/31/74	1413036	10101	NA	NA	DIRTY TRICHLORETHYLENE	NOT DETERMINE	7.00	Yes		
1/31/74	1413036	10102	NA	NA	DIRTY OIL	NOT DETERMINE	4.00	Yes		
1/31/74	1413036	10102	NA	NA	DIRTY TRICHLORETHYLENE	NOT DETERMINE	4.00	Yes		
1/31/74	1413036	10103	NA	NA	DIRTY TRICHLORETHYLENE	NOT DETERMINE	2.00	Yes		
1/31/74	1413036	10103	NA	NA	WASTE OIL	NOT DETERMINE	4.00	Yes		
1/31/74	1413036	10103	NA	NA	DIRTY CHLOROTHENE	NOT DETERMINE	15.00	Yes		
2/6/74	1061003	10116	NA	NA	DIRTY CHLOROTHENE	Not Determined	14.00	Yes		
2/6/74	1061003	10116	NA	NA	DIRTY TRICHLORETHYLENE	NOT DETERMINE	3.00	Yes		
2/6/74	1061003	10116	NA	NA	EMPTY	NOT DETERMINE	6.00	No		
3/21/75	1061004	3591	NA	NA	CHLOROETHANE, VG	Not Determined	13.00	Yes		
4/16/75	1061005	3755	NA	NA	CHLOROETHANE, VG	Not Determined	12.00	Yes		
5/15/75	1061006	3770	NA	NA	CHLOROETHANE, VG	Not Determined	16.00	Yes		
5/16/75	1061007	3771	NA	NA	WASTE SCARLET EASINE	Not Determined	10.00	Yes		

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6/25/75	10610082	3789	NA	NA	WASTE SCARLET EASINE	Not Determined	15.00	Yes		
8/5/75	10610091	3856	NA	NA	WASTE SCARLET EASINE	Not Determined	12.00	Yes		
8/5/75	10610093	3856	NA	NA	OIL	NOT DETERMINE	2.00	Yes		
8/7/75	10610101	3858	NA	NA	TRICHLORETHYLENE	Not Determined	19.00	Yes		
8/19/75	10610111	3861	NA	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	13.00	Yes		
9/9/75	10610124	3875	NA	NA	WASTE SCARLET EASINE	Not Determined	15.00	Yes		
10/2/75	10610134	3887	NA	NA	WASTE SCARLET EASINE	Not Determined	17.00	Yes		
10/21/75	10610146	3802	NA	NA	WASTE SCARLET EASINE	Not Determined	10.00	Yes		
10/21/75	10610146	3802	NA	NA	OIL	NOT DETERMINE	2.00	Yes		
11/11/75	10610151	3810	NA	NA	WASTE SCARLET EASINE	Not Determined	12.00	Yes		
12/4/75	10610163	3822	NA	NA	WASTE SCARLET EASINE	Not Determined	15.00	Yes		
1/21/76	10610173	3840	NA	NA	WASTE SCARLET EASINE	Not Determined	15.00	Yes		
2/20/76	10610183	3849	NA	NA	CHLOROTHANE	Not Determined	4.00	Yes		
2/20/76	10610185	3849	NA	NA	TRICHLOROETHANE	NOT DETERMINE	1.00	Yes		
6/1/76	10610193	9382	NA	NA	TRICHLOROETHANE	Not Determined	14.00	Yes		
6/1/76	10610194	9382	NA	NA	OIL	NOT DETERMINE	4.00	Yes		

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	\$ Quantity	Counted Toward Ranking	Change Completed	Comments
8/23/76	10610201	NA	NA	NA	CHLOROETHANE, VG	Not Determined	10.00	Yes		
12/9/76	10610218	9453	NA	NA	WASTE SCARLET EASINE	Not Determined	9.00	Yes		
4/4/77	10610225	9497	NA	NA	WASTE SCARLET EASINE	Not Determined	10.00	Yes		
6/21/77	10610233	3540	NA	NA	WASTE SCARLET EASINE	Not Determined	4.00	Yes		
9/21/77	10610241	3546	NA	NA	FREON	Not Determined	10.00	Yes		
9/21/77	10610247	3546	NA	NA	METHYLENE CHLORIDE	NOT DETERMINE	3.00	Yes		
9/21/77	10610247	3546	NA	NA	WASTE SCARLET EASINE	NOT DETERMINE	4.00	Yes		
9/21/77	10610247	3546	NA	NA	TRICHLORETHYLENE	NOT DETERMINE	5.00	Yes		
9/29/77	10610251	4879	NA	NA	WASTE SCARLET EASINE	Not Determined	4.00	Yes		
9/29/77	10610251	4879	NA	NA	OIL	NOT DETERMINE	5.00	Yes		
1/17/78	10610263	3611	NA	NA	WASTE SCARLET EASINE	Not Determined	5.00	Yes		
3/3/78	10610270	3624	NA	NA	WASTE SCARLET EASINE	Not Determined	5.00	Yes		
3/3/78	10610270	3624	NA	NA	OIL	NOT DETERMINE	1.00	Yes		
9/25/78	10610281	4764	NA	NA	WASTE SCARLET EASINE	Not Determined	7.00	Yes		
6/19/79	10610291	9977	NA	NA	TRICHLOROETHANE	Not Determined	10.00	Yes		
10/12/79	10610304	87911	7732	NA	LABORATORY CHEMICALS	Not Determined	2.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Burroughs Corp.

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
2/6/80	10610323	95743	7868	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
3/3/80	10610334	926	NA	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
9/2/80	10610345	13598	8125	NA	WASTE SCARLET EASINE	Not Determined	11.00	Yes		
11/26/80	10610356	NA	8272	NA	WASTE TRICHLORETHYLENE	CHEMCLENE	3.00	Yes		
11/26/80	10610357	NA	8272	NA	WASTE 1,1,1 TRICHLOROETHANE	CHEMCLENE	5.00	Yes		
11/26/80	10610358	NA	8272	NA	WASTE FREON	Chemclene	21.00	Yes		
8/5/81	10610361	5238	8806	PAA3799460	1,1,1 TRICHLOROETHANE	Chemclene	11.00	Yes		
10/9/81	10610372	283	NA	PAA3799482	1,1,1 TRICHLOROETHANE	Chemclene	3.00	Yes		
11/16/81	10610383	303	10069	PAA3799493	WASTE MIXED CHLORINATED SOLVENT	Chemclene	3.00	Yes		
11/16/81	10610384	303	10069	PAA3799493	NON-RECOVERABLE WASTE CHLORINATED SOLVE	CHEMCLENE	2.00	Yes		
1/7/82	10610394	283	10153	PAA 3799482	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	3.00	Yes		
1/21/82	10610405	335	10185	PAA 3799585	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	3.00	Yes		
4/2/82	10610416	381	10355	PAA3799526	WASTE 1,1,1 TRICHLOROETHANE, MIXED	Chemclene	3.00	Yes		
7/12/82	10610427	436	10567	PAA4765051	OIL	Chemclene	4.00	Yes		
7/12/82	10610438	434	10565	PAA 3799515	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
7/12/82	10610439	434	10565	PAA4765040	WASTE FLUX OIL & LAQUER THINNER	CHEMCLENE	4.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: Burroughs Corp.

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
8/6/82	10610453	452	10638	PAA 4765110	WASTE ACID SLUDGE	NOT DETERMINE	1.00	Yes		
9/13/82	10610443	437	10726	PAA4765040	WASTE 1,1,1 TRICHLOROETHANE, MIXED	Chemclene	3.00	Yes		
11/2/82	10610464	503	10833	PAA4765434	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
11/2/82	10610461	503	10833	PAA4765434	WASTE FLUX OIL	CHEMCLENE	1.00	Yes		
11/2/82	10610468	503	10833	PAA4765434	WASTE BLACK DYE	CHEMCLENE	1.00	Yes		
11/2/82	10610464	503	10833	PAA4765434	WASTE EPOXY PAINT SLUDGE	CHEMCLENE	1.00	Yes		
11/2/82	10610468	503	10833	PAA4765434	WASTE METHYLENE CHLORIDE	CHEMCLENE	1.00	Yes		
11/2/82	10610463	503	10833	PAA4765434	WASTE 1,1,1 TRICHLOROETHANE	CHEMCLENE	2.00	Yes		
11/2/82	10610464	503	10833	PAA4765434	WASTE OIL	CHEMCLENE	3.00	Yes		
12/22/82	10610473	529	10937	PAA 3799530	WASTE 1,1,1 TRICHLOROETHANE	NOT DETERMINE	3.00	Yes		
1/25/83	14130354	549	11008	PAA 4765924	WASTE PHOSPHORIC ACID	Chemclene	1.00	Yes		
3/11/83	10610483	NA	11114	NA	LAB PACKS	Not Determined	0.09	Yes		
3/29/83	10610493	592	11141	PAA 3799924	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	6.00	Yes		
5/5/83	10610503	2310	NA		NITROMETHANE, METHYL ETHYL KETONE PEROXI	Chemclene	0.09	Yes		
5/10/83	10610513	NA	11254	NA	REACTIVE MATERIAL	Chemclene	0.18	Yes		
6/15/83	10610523	649	11314	PAA 4766974	AMMONIUM HYDROXIDE	Chemclene	5.89	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

**PRP Name:** Burroughs Corp.

**Researcher Initials:**

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# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: Cyprus Foote Mineral Co.

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
10/28/83	1093001	762	11642	PAA 4768175	WASTE HEXANE	Chemclene	12.00	Yes		
3/15/84	1093002	894	11965	PAA 4768343	WASTE HEXANE	Chemclene	6.00	Yes		
6/18/84	1093003	1002	12185	PAA 2559222	WASTE HEXANE	Chemclene	7.00	Yes		
8/28/84	1093004	1070	12354	PAA 2559852	WASTE HEXANE	Chemclene	6.00	Yes		
11/29/84	1093005	1171	12565	PAB 00889770	WASTE HEXANE	Chemclene	6.00	Yes		
4/9/85	1093006	1304	12853	PAB 00891004	WASTE HEXANE	Chemclene	6.00	Yes		
7/29/85	1093007	1427	13092	PAB 00892161	WASTE HEXANE	Chemclene	6.00	Yes		
9/9/85	1093008	1463	13176	PAB 00892485	WASTE HEXANE	Chemclene	2.00	Yes		
9/9/85	1093009	1463	13176	PAB 00892485	WASTE MINERAL OIL	Chemclene	10.00	Yes		
10/22/85	1093010	1512	13274	PAB 00892905	WASTE MINERAL OIL	Chemclene	10.00	Yes		
10/22/85	1093011	1513	13274	PAB 00892905	WASTE HEXANE	Chemclene	3.00	Yes		
11/12/85	1093012	1535	13311	PAB 00893045	WASTE HEXANE	Chemclene	2.00	Yes		
11/12/85	1093012	1536	13311	PAB 00893045	WASTE MINERAL OIL	Chemclene	10.00	Yes		
2/28/86	1093013	1650	13527	PAB 2262820	WASTE HEXANE	Chemclene	6.00	Yes		
4/10/86	1093015	1695	13598	PAB 2263181	WASTE MINERAL OIL	Chemclene	20.00	Yes		
4/10/86	1093014	1696	13598	PAB 2263181	WASTE HEXANE	Chemclene	3.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

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Invoice Date	Document #	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
4/24/86	1093016	1712	13629	PAB 2263354	WASTE MINERAL OIL	Chemclene	9.00	Yes		
6/16/86	1093017	1771	13742	PAB 2261840	WASTE HEXANE	Chemclene	6.00	Yes		
6/16/86	1093018	1772	13742	PAB 2261840	WASTE MINERAL OIL	Chemclene	4.00	Yes		
9/5/86	1093019	1849	13882	PAB 2262466	WASTE HEXANE	Chemclene	4.00	Yes		
10/14/86	1093020	1894	13952	PAB 3087184	WASTE HEXANE	Chemclene	3.00	Yes		
12/17/86	1093021		14071	PAB 3086543	17-E	Not Determined	2.00	No		
12/17/86	1093021	1958	14071	PAB 3086543	WASTE MINERAL OIL	Not Determined	25.00	Yes		
12/17/86	1093022	1959	14071	PAB 3086554	MINERAL OIL	Not Determined	8.00	Yes		
3/30/87	1093024	2071	14245	PAB 4769575	WASTE HEXANE	Chemclene	9.00	Yes		
3/30/87	1093026	2072	14245	PAB 4769575	WASTE MINERAL OIL	Chemclene	2.00	Yes		
3/30/87	1093025	2073	14245	PAB 4769575	WASTE HYDRAULIC OIL	Chemclene	2.00	Yes		
5/27/87	1093028	2139	14378	PAB 4770231	WASTE MINERAL OIL	Chemclene	8.00	Yes		
5/27/87	1093027	2140	14378	PAB 4770231	WASTE HEXANE	Chemclene	4.00	Yes		
8/13/87	1093030	2209	14512	PAB 4770791	WASTE MINERAL OIL	Chemclene	6.00	Yes		
8/13/87	1093029	2210	14512	PAB 4770791	WASTE HEXANE	Chemclene	6.00	Yes		
10/13/87	1093032	2267	14626	PAB 4771233	WASTE HEXANE	Chemclene	6.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Cyprus Foote Mineral Co.

Researcher Initials:

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Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
10/13/87	1093031	2268	14626	PAB 4771233	WASTE MINERAL OIL	Chemclene	10.00	Yes		
10/19/87	1093033	7960		PAD 002329456	SPENT HEXANE AND MINERAL OIL	Not Determined	16.00	Yes		
12/16/87	1093034	2332	14746	PAB 5248865	WASTE HEXANE	Chemclene	6.00	Yes		
12/16/87	1093035	2333	14746	PAB 5248865	WASTE MINERAL OIL	Chemclene	5.00	Yes		
3/30/88	1093037	2452	14940	PAB 5249683	WASTE HEXANE	Chemclene	7.00	Yes		
3/30/88	1093038	2453	14940	PAB 5249683	WASTE MINERAL OIL	Chemclene	16.00	Yes		
7/13/88	1093039	2542	15127	PAB 5250464	WASTE HEXANE	Not Determined	13.00	Yes		
7/13/88	1093039	2543	15127	PAB 5250464	WASTE MINERAL OIL	Not Determined	11.00	Yes		
7/19/88	1093040	LB-102		NA	HEXANE	Not Determined	25.00	Yes		
10/7/88	1093043	2625	09752	PAB 5726792	SODIUM SILICATE	Not Determined	2.00	Yes		
10/7/88	1093042	2627	09752	PAB 5726792	WASTE MINERAL OIL	Not Determined	3.00	Yes		
10/7/88	1093041	2628	09752	PAB 5726792	WASTE HEXANE	Not Determined	10.00	Yes		
11/1/88	1093044	2676	15306	PAB 5726943	WASTE HEXANE	Not Determined	2.00	Yes		
11/22/88	1093045	2698	15339	PAB 5911592	WASTE HEXANE	Not Determined	2.00	Yes		
11/22/88	1093046	2699	15339	PAB 5911592	WASTE MINERAL OIL	Not Determined	6.00	Yes		
1/10/89	1093048	2745	15407	PAB 5911916	WASTE HEXANE	Not Determined	6.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: Cyprus Foote Mineral Co.

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
2/1/89	1093049	2770	15440	PAB 5912034	WASTE HEXANE	Not Determined	2.00	Yes		
3/13/89	1093050	2812	15513	PAB 5912266	WASTE HEXANE	Not Determined	3.00	Yes		
4/7/89	1093052	2838	15563	PAB 5910531	WASTE MINERAL OIL	Not Determined	4.00	Yes		
4/7/89	1093051	2839	15563	PAB 5910531	WASTE HEXANE	Not Determined	3.00	Yes		
5/10/89	1093053	2888	15623	PAB 5910855	WASTE HEXANE	Not Determined	4.00	Yes		
5/10/89	1093054	2889	15623	PAB 5910855	WASTE MINERAL OIL	Not Determined	1.00	Yes		
6/21/89	1093055	2943	15705	PAB 59111183	WASTE HEXANE	Not Determined	6.00	Yes		
6/21/89	1093056	2944	15705	PAB 59111183	WASTE MINERAL OIL	Not Determined	1.00	Yes		
7/19/89	1093057	2972	15764	PAB 5911404	WASTE HEXANE	Not Determined	4.00	Yes		
8/23/89	1093058	3000	15840	PAB 1280160	WASTE HEXANE	Not Determined	6.00	Yes		
10/4/89	1093059	3061	15934	PAC 1280392	WASTE HEXANE	Not Determined	8.00	Yes		
11/14/89	1093060	3093	16017	PAC 1280602	WASTE MINERAL OIL	Not Determined	1.00	Yes		
11/14/89	1093060	3094	16017	PAC 1280602	WASTE HEXANE	Not Determined	5.00	Yes		
12/14/89	1093062	3127	16077	PAC 1280775	WASTE HEXANE	Not Determined	6.00	Yes		
1/11/90	1093063	3153	16122	PAC 1280974	WASTE HEXANE	Not Determined	4.00	Yes		
2/14/90	1093064	3175	16182	PAC 1671353	WASTE HEXANE	Not Determined	6.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

PRP Name: Cyprus Foote Mineral Co.

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
3/13/90	10930653	3212	16224	PAC 1786713	WASTE HEXANE	Not Determined	4.00	Yes		
4/20/90	10930653	3246	16293	PAC 1786735	WASTE HEXANE	Not Determined	5.00	Yes		
5/16/90	10930653	3264	16336	PAC 1670863	WASTE HEXANE	Not Determined	2.00	Yes		
7/18/90	10930653	3330	16478	PAC 2937034	WASTE HEXANE	Not Determined	6.00	Yes		
8/15/90	10930653	3351	16533	PAC 2937211	WASTE HEXANE	Not Determined	2.00	Yes		
9/14/90	10930701	3374	16593	PAC 2937421	WASTE HEXANE	Not Determined	4.00	Yes		
10/25/90	10930717	3402	16665	PAC 29337605	WASTE HEXANE	Not Determined	6.00	Yes		
12/3/90	10930723	3418	16726	PAC 2937723	WASTE HEXANE	Not Determined	6.00	Yes		
12/19/90	10930739	3443	16761	PAC 2937826	WASTE HEXANE	Chemclene	4.00	Yes		
2/13/91	10930745	3484	16845	PAC 2938106	WASTE HEXANE	Not Determined	8.00	Yes		
3/26/91	10930751	3504	16904	PAC 2938272	WASTE HEXANE	Not Determined	6.00	Yes		
4/22/91	10930757	3521	16942	PAC 2938423	WASTE HEXANE	Not Determined	4.00	Yes		
5/16/91	10930763	3538	16984	PAC 2938596	WASTE HEXANE	Not Determined	3.00	Yes		
6/24/91	10930791	3558	17025	PAC 2938725	WASTE HEXANE	Not Determined	4.00	Yes		
7/16/91	10930807	3571	17053	PAC 2938854	WASTE HEXANE	Not Determined	3.00	Yes		
8/9/91	10930813	3593	17103	PAC 4868275	WASTE HEXANE	Not Determined	3.00	Yes		

**Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

**DRAFT**

7/21/97

**PRP Name:** Cyprus Foote Mineral Co.

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Burroughs Corp.

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
8/6/82	10610453	452	10638	PAA 4765110	WASTE ACID SLUDGE	NOT DETERMINE	1.00	Yes		
9/13/82	10610445	437	10726	PAA4765040	WASTE 1,1,1 TRICHLOROETHANE, MIXED	Chemclene	3.00	Yes		
11/2/82	10610461	503	10833	PAA4765434	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
11/2/82	10610461	503	10833	PAA4765434	WASTE FLUX OIL	CHEMCLENE	1.00	Yes		
11/2/82	10610463	503	10833	PAA4765434	WASTE BLACK DYE	CHEMCLENE	1.00	Yes		
11/2/82	10610463	503	10833	PAA4765434	WASTE EPOXY PAINT SLUDGE	CHEMCLENE	1.00	Yes		
11/2/82	10610463	503	10833	PAA465434	WASTE METHYLENE CHLORIDE	CHEMCLENE	1.00	Yes		
11/2/82	10610463	503	10833	PAA4765434	WASTE 1,1,1 TRICHLOROETHANE	CHEMCLENE	2.00	Yes		
11/2/82	10610463	503	10833	PAA4765434	WASTE OIL	CHEMCLENE	3.00	Yes		
12/22/82	10610473	529	10937	PAA 3799530	WASTE 1,1,1 TRICHLOROETHANE	NOT DETERMINE	3.00	Yes		
1/25/83	14130357	549	11008	PAA 4765924	WASTE PHOSPHORIC ACID	Chemclene	1.00	Yes		
3/11/83	10610483	NA	11114	NA	LAB PACKS	Not Determined	0.09	Yes		
3/29/83	10610494	592	11141	PAA 3799924	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	6.00	Yes		
5/5/83	10610503	2310		NA	NITROMETHANE, METHYL ETHYL KETONE PEROXI	Chemclene	0.09	Yes		
5/10/83	10610512	NA	11254	NA	REACTIVE MATERIAL	Chemclene	0.18	Yes		
6/15/83	10610523	649	11314	PAA 4766974	AMMONIUM HYDROXIDE	Chemclene	5.89	Yes		

## **Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

DRAFT  
7/21/97

**PRP Name: Burroughs Corp.**

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Defense Reutilization & Marketing

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
10/3/85	14131524			NA	HALOGENATED SOLVENTS	Not Determined	1.82	Yes		
11/1/85	10990017			NA	I,I,I TRICHLOROETHANE	Not Determined	29.09	Yes		
11/1/85	10990017	0		NA	TRICHLOROFLUORETHANE, TRICLORETHANE	Not Determined	40.00	Yes		
11/14/85	10990025	1507		PAB 00892431	TRICHLOROETHANE	Chemclene	26.00	Yes		
11/15/85	10990032	1541		PAB 00893093	TRICHLOROFLUORETHANE	Chemclene	19.00	Yes		
11/15/85	10990033	1542		PAB 00893093	WASTE I,I,I TRICHLOROETHANE	Chemclene	5.00	Yes		
11/18/85	10990043	1544		PAB 00893115	TRICHLOROFLUORETHANE	Chemclene	21.00	Yes		
1/28/86	10990057	1611		PAB 22621525	FREON	Chemclene	4.45	Yes		
1/28/86	10990059	1609		PAB 2262525	WASTE TCA	Chemclene	19.00	Yes		
1/31/86	10990064	1618		PAB 2262551	TRICHLOROFLUORETHANE	Chemclene	6.00	Yes		
2/19/86	10990074	0		NA	HALOGENATED SOLVENTS	Not Determined	3.82	Yes		
3/24/86	10990084	0		NA	FREON	Not Determined	0.18	Yes		
3/24/86	10990093	0		NA	TRICHLOROETHANE	Not Determined	2.00	Yes		
4/7/86	10990104	0		NA	TRICHLOROETHANE	Chemclene	10.00	Yes		
5/21/86	10990113	0		NA	HALOGENATED SOLVENTS	Not Determined	0.64	Yes		
6/30/86	10990122	0		NA	TRICHLOROETHANE	Not Determined	0.64	Yes		

## **Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

DRAFT  
7/21/97

**PRP Name:** Defense Reutilization & Marketing

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: Delbar Products

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoicing Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
12/14/79	1101900	0		NA	TRICHLORETHYLENE	Chemclene	26.00	Yes		
12/14/79	1101900	9699		NA	DIRTY TRICHLORETHYLENE	Chemclene	3.00	Yes		
1/25/80	1101003	2329		NA	TRICHLOROETHYLENE AND PERCHLORETHYLENE	Chemclene	4.00	Yes		
3/6/80	1413129	0909	7908	NA	DIRTY PERCHLORETHYLENE	Chemclene	3.00	Yes		
3/20/81	1101004	154		PAA 0042066	TRICHLORETHYLENE	Chemclene	22.00	Yes		
6/26/81	1101005	207		PAA 1161031	TRICHLORETHYLENE	Not Determined	5.00	Yes		
9/16/81	1101006	0	8800	PAA 4483894	TRICHLORETHYLENE	Chemclene	12.00	Yes		
9/16/81	1101006	263	8800	PAA 4483883	WATER	Chemclene	14.00	Yes		
12/15/81	1101007	317		PAA 4743664	TRICHLORETHYLENE	Chemclene	2.00	Yes		
3/10/82	1101008	362		PAA 4462496	TRICHLORETHYLENE	Chemclene	4.00	Yes		
7/23/82	1101009	444		PAA 3643964	TRICHLORETHYLENE	Chemclene	1.00	Yes		
12/30/82	1101010	531		PAA 4648711	TRICHLORETHYLENE	Chemclene	3.00	Yes		
8/26/83	1101011	707		PAA 3633814	TRICHLORETHYLENE	Chemclene	7.00	Yes		
12/22/83	1101012	819		PAA 2728213	TRICHLORETHYLENE	Not Determined	9.00	Yes		
8/9/84	1101013	1049		PAA 4978164	TRICHLORETHYLENE	Chemclene	6.00	Yes		
9/28/84	1101014	1097		PAB 00830896	TRICHLORETHYLENE	Not Determined	7.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: Delbar Products

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
1/2/86	11010178	1573		PAB 2686751	WASTE FLAMMABLE LIQUID	Chemclene	21.00	Yes		
1/2/86	11010158	1574		PAB 2686526	PAINT, PAINT THINNER	Chemclene	21.00	Yes		
1/2/86	11010168	1575	13427	PAB 2686504	TRICHLOROETHYLENE AND OIL	Not Determined	22.00	Yes		
1/2/86	11010188	1576		PAB 2686504	WASTE PAINT, THINNER	Not Determined	2.00	Yes		
1/2/86	11010168	1575	13427	PAB 2686504	WASTE TRICHLOROETHYLENE AND WATER	Not Determined	12.00	Yes		
3/13/86	11010198	1659		PAB 3007060	TRICHLOROETHYLENE	Not Determined	4.00	Yes		
3/13/86	11010208	1660		PAB 3007060	WASTE PAINT, THINNER	Not Determined	32.00	Yes		
4/24/86	11010218	1714		PAB 3007432	WASTE PAINT, THINNER	Chemclene	30.00	Yes		
7/23/86	11010238	1803		PAB 2331976	TRICHLOROETHYLENE	Not Determined	4.00	Yes		
7/23/86	11010228	1804		PAB 2331976	TRICHLOROETHYLENE	Not Determined	2.00	Yes		
7/23/86	11010228	1804		PAB 2331976	WASTE PAINT, THINNER	Not Determined	17.00	Yes		
9/22/86	11010258	1870		PAB 2332223	WASTE PAINT, THINNER	Not Determined	15.00	Yes		
9/22/86	11010248	1871		PAB 2332223	TRICHLOROETHYLENE	Not Determined	12.00	Yes		
12/2/86	11010268	1932		PAB 3229704	TRICHLOROETHYLENE	Chemclene	6.00	Yes		
12/2/86	11010278	1933		PAB 3229704	WASTE PAINT, THINNER	Chemclene	19.00	Yes		
3/25/87	11010288	2060		PAB 2332503	TRICHLOROETHYLENE	Chemclene	4.00	Yes		

**Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

**PRP Name: Delbar Products**

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DRAFT  
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# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: Donn Corporation

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11/28/84	1113001	53016		PAA 2559476	RECLAIMED SOLUTION	Material Reclai	9.00	Yes		
11/28/84	1113001	53016		PAA 2559476	STILL BOTTOMS	Chemclene	18.00	Yes		
11/28/84	1113001	53016		PAA 2559476	STILL BOTTOMS	Chemclene	21.00	No		
5/3/85	1113002	1170		PAB 00889766	RECLAIMED SOLUTION	Material Reclai	0.69	No		
5/3/85	1113002	1170		PAB 00889766	STILL BOTTOMS	Chemclene	12.00	Yes		
5/3/85	1113003	1279		PAB 00890702	RECLAIMED SOLUTION	Material Reclai	0.91	No		
5/3/85	1113003	1279		PAB 00890702	STILL BOTTOMS	Chemclene	16.50	No		
5/3/85	1113003	1170		NA	STILL BOTTOMS	Not Determined	10.00	No		
5/3/85	1113003	1279		PAB 00890702	WASTE COOL PHOS	Chemclene	18.00	Yes		
5/13/85	1113003	1350		PAB 00891354	COOL PHOS SOLUTION	Chemclene	14.00	Yes		
7/22/85	1113005	58595		PAB 00892010	COOL PHOS SOLUTION	Chemclene	13.00	Yes		
10/30/85	1113006	60123		PAB 00892765	COOL PHOS SOLUTION	Chemclene	15.00	Yes		
7/7/86	1113007	1787		PAB 2262131	METHYLENE CHLORIDE AND METHANOL AND OIL	Chemclene	26.00	Yes		
7/15/86	1113008	1790		PAB 2262046	WASTE COOL PHOS	Chemclene	13.00	Yes		
2/13/87	1113009	0		PAB 3051845	METHYLENE CHLORIDE, METHANOL	Chemclene	25.00	Yes		
3/23/87	1113010	0		PAB 3051860	METHYLENE CHLORIDE, METHANOL	Chemclene	24.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

**DRAFT**

7/21/97

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# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

PRP Name: Fisher & Porter Co.

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
	11431178	48632		NA	TRI	Not Determined	2.00	Yes		
	11431193	48636		NA	TRICHLOR	Not Determined	5.00	Yes		
	11431188	48639		NA	DIRTY TRICHLOR	Not Determined	4.00	Yes		
	11431202	48640		NA	DIRTY TRI	Not Determined	9.00	Yes		
	11430082	48642		NA	TRICHLORETHYLENE	Not Determined	8.00	Yes		
	11431162	48643		NA	DIRTY TRI	Not Determined	1.00	Yes		
1/11/74	11430029	48645		NA	DIRTY TRI	Not Determined	2.00	Yes		
2/28/74	11430032	32275		NA	TRICHLOR	Not Determined	5.00	Yes		
4/20/74	11430042	48615		NA	TRICHLOR	Not Determined	9.00	Yes		
5/31/74	11430051	48634		NA	DIRTY TRICHLOR	Not Determined	7.00	Yes		
7/16/74	11430061	48637		NA	DIRTY TRICHLOR	Not Determined	5.00	Yes		
8/15/74	11430071	48638		NA	DIRTY TRICHLORETHYLENE	Not Determined	7.00	Yes		
3/6/75	11430091	99	5545	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.00	No		
3/6/75	11430091	3552	5545	NA	DIRTY TRI	Not Determined	9.00	Yes		
3/6/75	11430091	3569	5545	NA	DIRTY TRI	Not Determined	2.00	Yes		
3/6/75	11430091	3576	5545	NA	DIRTY TRI	Not Determined	7.00	Yes		

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3/25/75	11430107	3593		NA	DIRTY TRI	Not Determined	5.00	Yes		
4/16/75	11430117	3756		NA	DIRTY TRI	Not Determined	4.00	Yes		
5/14/75	11430125	3768		NA	DIRTY TRI	Not Determined	9.00	Yes		
5/14/75	11430125	3768		NA	DIRTY I-I-I	Not Determined	1.00	Yes		
5/29/75	11430135	3777		NA	DIRTY TRI	Not Determined	5.00	Yes		
6/12/75	11430135	3782		NA	DIRTY TRI	Not Determined	5.00	Yes		
6/25/75	11430145	3788		NA	DIRTY TRI	Not Determined	8.00	Yes		
7/3/75	11430152	3792		NA	DIRTY TRI	Not Determined	2.00	Yes		
7/3/75	11430152	3792		NA	DIRTY I-I-I	Not Determined	1.00	Yes		
8/20/75	11430165	3862		NA	TRI	Not Determined	9.00	Yes		
10/3/75	11430186	426	5878	NA	1,1,1 TRICHLOROETHANE	Not Determined	8.00	No		
10/3/75	11430186	3880	5878	NA	TRI	Not Determined	8.00	Yes		
10/3/75	11430186	3888	5878	NA	TRI	No Determined	2.00	Yes		
11/20/75	11430194	3813		NA	TRI	Not Determined	7.00	Yes		
12/4/75	11430202	3821		NA	TRI	Not Determined	2.00	Yes		
12/23/75	11430202	3830		NA	TRI	Not Determined	6.00	Yes		

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Entered Quantity	Coupled Toward Ranking	Change Completed	Comments
1/28/76	1143022	3841		NA	TRI	Not Determined	4.00	Yes		
3/26/76	1143023	9363		NA	TRI	Not Determined	3.00	Yes		
4/12/76	1143024	9366		NA	TRI	Not Determined	3.00	Yes		
4/22/76	1143025	9372		NA	TRI	Not Determined	2.00	Yes		
5/3/76	1143026	9375		NA	TRI	Not Determined	2.00	Yes		
5/21/76	1143027	698	6178	NA	I,I,I TRICHLOROETHANE	Not Determined	6.00	No		
5/24/76	1143028	696	6179	NA	METHYLENE CHLORIDE	Not Determined	9.41	No		
6/18/76	1143029	9388		NA	DIRTY I-I-I	Not Determined	4.00	Yes		
6/18/76	1143029	9388		NA	DIRTY TRI	Not Determined	7.00	Yes		
7/19/76	1143030	3850	6267	NA	I-I-I	Not Determined	1.00	Yes		
7/19/76	1143030	3850	6267	NA	TRI	Not Determined	4.00	Yes		
7/19/76	1143030	770	6267	NA	TRICHLORETHYLENE	Not Determined	6.35	No		
8/3/76	1143031	786	6281	NA	DIRTY TRI	Not Determined	5.00	Yes		
8/3/76	1143031	786	6281	NA	TRICHLORETHYLENE	Not Determined	7.97	No		
8/10/76	1143032	9407		NA	DIRTY TRI	Not Determined	5.00	Yes		
9/7/76	1143033	9414		NA	DIRTY TRI	Not Determined	6.00	Yes		

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Coupled Toward Ranking	Change Completed	Comments
10/7/76	11430342	9432		NA	TRI	Not Determined	6.00	Yes		
11/4/76	11430343	892		NA	TRICHLORETHYLENE	Not Determined	2.89	No		
11/4/76	11430343	892		NA	TRICHLORETHYLENE	Not Determined	2.89	No		
2/1/77	11430352	9442	6498	NA	TRI	Not Determined	5.00	Yes		
2/1/77	11430353	9457	6498	NA	TRI	Not Determined	6.00	Yes		
2/1/77	11430353	9466	6498	NA	DIRTY TRI	Not Determined	5.00	Yes		
2/1/77	11430353	988	6498	NA	TRICHLORETHYLENE	Not Determined	8.67	No		
2/7/77	11430364	9471		NA	DIRTY TRI	Not Determined	5.00	Yes		
3/2/77	1143120	1025	6537	NA	TRICHLORETHYLENE	Not Determined	13.32	No		
3/2/77	1143120	9477	6537	NA	DIRTY TRI	Not Determined	5.00	Yes		
4/1/77	1143038	1059	6574	NA	TRICHLORETHYLENE	Not Determined	10.74	No		
4/1/77	1143038	9490	6574	NA	TRI	Not Determined	4.00	Yes		
5/18/77	1143119	1119	6638	NA	TRICHLORETHYLENE	Not Determined	6.20	No		
5/18/77	1143119	3521	6638	NA	TRICHLORETHYLENE	Not Determined	3.43	No		
5/18/77	1143119	3521	6638	NA	TRICHLORETHYLENE	Not Determined	3.79	No		
5/18/77	1143119	3521	6638	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		

## Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

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7/21/97

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Coupled Toward Ranking	Change Completed	Comments
5/18/77	11430198	3521	6638	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
6/1/77	11430403	1136	6653	NA	TRICHLORETHYLENE	Not Determined	8.13	No		
6/1/77	11430403	3529	6653	NA	TRICHLORETHYLENE	Not Determined	2.75	No		
6/1/77	11430403	3529	6653	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.00	No		
6/1/77	11430403	3529	6653	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
6/1/77	11430403	3529	6653	NA	1,1,1 TRICHLOROETHANE	Not Determined	4.00	Yes		
6/22/77	11430418	1160	6680	NA	TRICHLORETHYLENE	Not Determined	6.22	No		
6/22/77	11430418	3543	6680	NA	1,1,1 TRICHLOROETHANE	Not Determined	0.50	No		
6/22/77	11430418	3543	6680	NA	1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
6/22/77	11430418	3543	6680	NA	TRICHLORETHYLENE	Not Determined	4.50	No		
6/22/77	11430418	3543	6680	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
8/2/77	11430422	1203	6726	NA	TRICHLORETHYLENE	Not Determined	9.74	No		
8/2/77	11430422	3550	6726	NA	TRICHLORETHYLENE	Not Determined	3.23	No		
8/2/77	11430422	3550	6726	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
8/31/77	11430435	1243	6767	NA	TRICHLORETHYLENE	Not Determined	10.53	No		
8/31/77	11430435	4862	6767	NA	TRICHLORETHYLENE	Not Determined	3.41	No		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
8/31/77	11430438	4862	6767	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
9/30/77	11430448	1275	6802	NA	TRICHLORETHYLENE	Not Determined	7.93	No		
9/30/77	11430448	4876	6802	NA	TRICHLORETHYLENE	Not Determined	6.67	No		
9/30/77	11430448	4876	6802	NA	TRICHLORETHYLENE	Not Determined	9.00	Yes		
10/13/77	11430458	1291	6818	NA	TRICHLORETHYLENE	Not Determined	12.30	No		
10/13/77	11430458	4881	6818	NA	TRICHLORETHYLENE	Not Determined	3.44	No		
10/13/77	11430458	4881	6818	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
11/16/77	11430468	1334	6866	NA	TRICHLORETHYLENE	Not Determined	10.85	No		
11/16/77	11430468	4893	6866	NA	TRICHLORETHYLENE	Not Determined	5.82	No		
11/16/77	11430468	4893	6866	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
12/13/77	11430478	1283	6895	Na	TRICHLORETHYLENE	Not Determined	10.00	No		
12/13/77	11430478	3603	6895	NA	TRICHLORETHYLENE	Not Determined	4.85	No		
12/13/77	11430478	3603	6895	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
1/27/78	11430488		6939	NA	TRICHLORETHYLENE	Not Determined	5.50	No		
1/27/78	11430488	3613	6939	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
1/27/78	11430488	1410	6939		TRICHLORETHYLENE	Not Determined	5.70	No		

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2/27/78	11430491	3622	6974	NA	TRICHLORETHYLENE	Not Determined	5.55	No		
2/27/78	11430492	3622	6974	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
2/27/78	11430493	1440	6974	NA	TRICHLORETHYLENE	Not Determined	12.70	No		
3/10/78	11430503	1460	6994	NA	TRICHLORETHYLENE	Not Determined	5.29	No		
3/10/78	11430504	3630	6994	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
3/10/78	11430505	3630	6994	NA	TRICHLORETHYLENE	Not Determined	9.47	No		
4/20/78	11430516	3646	7048	NA	TRICHLORETHYLENE	Not Determined	5.29	No		
4/20/78	11430517	3646	7048	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
4/20/78	11430518	1506	7048	NA	TRICHLORETHYLENE	Not Determined	9.98	No		
6/5/78	11430529	4721	7109	NA	TRICHLORETHYLENE	Not Determined	6.08	No		
6/5/78	11430530	4721	7109	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
6/5/78	11430531	1567	7109	NA	TRICHLORETHYLENE	Not Determined	9.40	No		
6/28/78	11430532	4735	7146	NA	TRICHLORETHYLENE	Not Determined	4.76	No		
6/28/78	11430533	4735	7146	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
6/28/78	11430534	1598	7146	NA	TRICHLORETHYLENE	Not Determined	12.36	No		
6/28/78	11430535	1627	7178	NA	TRICHLORETHYLENE	Not Determined	15.38	No		

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Coupled Toward Ranking	Change Completed	Comments
6/28/78	14131184	4747	7178	NA	1,1,1 TRICHLOROETHANE	Not Determined	0.74	No		
6/28/78	14131184	4747	7178	NA	1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
6/28/78	14131184	4747	7178	NA	TRICHLORETHYLENE	Not Determined	5.50	No		
6/28/78	14131184	4747	7178	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
9/12/78	11430557	4757	7236	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
9/12/78	11430557	4757	7236	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
9/12/78	11430557	1678	7236	NA	TRICHLORETHYLENE	Not Determined	8.38	No		
9/12/78	11430557	4757	7236	NA	1,1,1 TRICHLOROETHANE	Not Determined	2.03	No		
9/12/78	11430557	4757	7236	NA	TRICHLORETHYLENE	Not Determined	6.05	No		
9/26/78	11430561	1695	7255	NA	TRICHLORETHYLENE	Not Determined	9.14	No		
9/26/78	11430561	4769	7255	NA	1,1,1 TRICHLOROETHANE	Not Determined	0.98	No		
9/26/78	11430561	4769	7255	NA	1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
9/26/78	11430561	4769	7255	NA	TRICHLORETHYLENE	Not Determined	6.23	No		
9/26/78	11430561	4769	7255	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
11/14/78	11430571	4803	7311	NA	TRICHLORETHYLENE	Not Determined	3.00	No		
11/14/78	11430571	4803	7311	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		

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11/14/78	11430588	1736	7311	NA	1,1,1 TRICHLOROETHANE	Not Determined	5.97	No		
11/14/78	11430588	1748	7311	NA	TRICHLORETHYLENE	Not Determined	16.35	No		
11/14/78	11430588	4803	7311	NA	1,1,1 TRICHLOROETHANE	Not Determined	1.08	No		
11/14/78	11430588	4803	7311	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
11/14/78	11430588	4807	7311	NA	TRICHLORETHYLENE	Not Determined	2.85	No		
11/14/78	11430588	4807	7311	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
1/18/79	11430599	1815	7389	NA	TRICHLORETHYLENE	Not Determined	13.96	No		
1/18/79	11430599	4829	7389	NA	TRICHLORETHYLENE	Not Determined	10.57	No		
1/18/79	11430599	4829	7389	NA	TRICHLORETHYLENE	Not Determined	13.00	Yes		
2/21/79	11430600	1842	7421	NA	TRICHLORETHYLENE	Not Determined	11.46	No		
2/21/79	11430600	4845	7421	NA	TRICHLORETHYLENE	Not Determined	4.76	No		
2/21/79	11430600	4845	7421	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
4/23/79	11430601	1915	7495	NA	1,1,1 TRICHLOROETHANE	Not Determined	8.00	No		
4/23/79	11430601	9957	7495	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.45	No		
4/23/79	11430601	9957	7495	NA	1,1,1 TRICHLOROETHANE	Not Determined	4.00	Yes		
4/23/79	11430601	9957	7495	NA	TRICHLORETHYLENE	Not Determined	8.25	No		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Fisher & Porter Co.

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document Number	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Actual Quantity	Counted Toward Ranking	Change Completed	Comments
4/23/79	1143061	9957	7495	NA	TRICHLORETHYLENE	Not Determined	10.00	Yes		
7/5/79	1143062	2012	7600	NA	TRICHLORETHYLENE	Not Determined	11.20	No		
7/5/79	1143062	9999	7600	NA	1,1,1 TRICHLOROETHANE	Not Determined	0.97	No		
7/5/79	1143063	9999	7600	NA	1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
7/5/79	1143062	9999	7600	NA	TRICHLORETHYLENE	Not Determined	4.50	No		
7/5/79	1143062	9999	7600	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
9/28/79	1143063	9947		NA	DIRTY TRI	Not Determined	6.00	Yes		
11/6/79	1143116	9674		NA	DIRTY 1-1-1	Not Determined	1.00	Yes		
11/6/79	1143116	9674			DIRTY TRI	Not Determined	3.00	Yes		
1/17/80	1143064	904	7847	NA	TRICHLORETHYLENE	Not Determined	1.58	No		
1/17/80	1143064	904	7847	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
1/17/80	1143071	9656	7847	NA	TRICHLORETHYLENE	Not Determined	1.98	No		
1/17/80	1143065	9656	7847	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
1/17/80	1143072	9682	7847	NA	TRICHLORETHYLENE	Not Determined	5.68	No		
1/17/80	1143069	9682	7847	NA	TRICHLORETHYLENE	Not Determined	8.00	Yes		
1/17/80	1143070	9698	7847	NA	TRICHLORETHYLENE	Not Determined	1.82	No		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Fisher & Porter Co.

Researcher Initials:

Data Entry Initials:

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
1/17/80	1143069	9698	7847	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
1/17/80	1143071	9911	7847	NA	TRICHLORETHYLENE	Not Determined	7.13	No		
1/17/80	1143081	9911	7847	NA	TRICHLORETHYLENE	Not Determined	8.00	Yes		
1/17/80	1143074	9937	7847	NA	TRICHLORETHYLENE	Not Determined	2.62	No		
1/17/80	1143074	9937	7847	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
1/17/80	1143062	2257	7847	NA	M-CLENE-D	Not Determined	5.00	No		
1/17/80	1143078	9698	7847	NA	1,1,1 TRICHLOROETHANE	Not Determined	0.90	No		
1/17/80	1143078	9698	7847	NA	1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
1/17/80	1143064	9927	7847	NA	TRICHLORETHYLENE	Not Determined	3.00	No		
1/17/80	1143064	9927	7847	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
1/17/80	1143074	9937	7847	NA	1,1,1 TRICHLOROETHANE	Not Determined	1.12	No		
1/17/80	1143074	9937	7847	NA	1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
3/6/80	1143075		7907	NA	TRICHLORETHYLENE	Not Determined	4.63	No		
3/6/80	1143075		7907	NA	TRICHLORETHYLENE	Not Determined	4.81	No		
3/6/80	1143075	2323	7907	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
3/31/80	1143076			NA	METHYLENE CHLORIDE	Chemclene	4.00	Yes		

## Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

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7/21/97

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3/31/80	11430702	3		NA	TRICHLORETHYLENE	Chemclene	6.00	Yes		
5/7/80	11430703	22		NA	TRICHLOR	Not Determined	4.00	Yes		
5/7/80	11430703	22		NA	CHLOROTHENE	Not Determined	3.00	Yes		
10/28/80	14131123		8207	NA	I-I-I	Chemclene	2.00	Yes		
10/28/80	14131123	34	8206	NA	DIRTY TRICHLOR	Chemclene	8.00	Yes		
10/28/80	14131123	51	8207	NA	TRICHLORETHYLENE	Chemclene	6.00	Yes		
10/28/80	14131123	51	8207	NA		Chemclene	6.00	Yes		
10/28/80	11430703	74	8208	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
10/28/80	14131123	97	8209	NA	TRICHLORETHYLENE	Chemclene	12.00	Yes		
1/5/81	14131123	119	8317	NA	WASTE TRICHLORETHYLENE	Chemclene	24.00	Yes		
3/9/81	11430703	0	8424	PAA0030413	TRICHLORETHYLENE	Chemclene	9.00	Yes		
4/20/81	11430830	169		NA	REJECTED TRICHLOROETHANE	Chemclene	0.50	Yes		
4/24/81	11430831	0	8522	PAA0129021	TRICHLORETHYLENE	Chemclene	9.00	Yes		
6/5/81	11430832	0	8620	PAA 0030424	TRICHLORETHYLENE	Chemclene	6.00	Yes		
6/5/81	11430832	199	8620	PAA 0030424	WASTE I,I,I TRICHLOROETHANE	Chemclene	2.00	Yes		
8/4/81	11430833	0	8731	PAA 0078702	TRICHLOROETHYLENE, H20	Chemclene	3.00	Yes		

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7/21/97

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8/4/81	1143083	0	8731	15	TRICHLOROETHYLENE, H2O	Chemclene	19.00	Yes		
8/4/81	1143083	235	8731	PAA 0078702	WASTE TRICHLOROETHYLENE	Not Determined	4.00	Yes		
8/4/81	1143083	235	8731	PAA 0078702	TRI AND WATER	Not Determined	6.00	Yes		
10/5/81	1143083	0	8858	PAA 0078713	TRICHLOROETHYLENE, TRICHLORETHANE	Chemclene	3.00	Yes		
10/5/81	1143083	278	8858	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
12/23/81	1143083	323	10138	PAA 0078735	TRICHLORETHYLENE	Chemclene	7.00	Yes		
4/7/82	1143083	383	10362	PAA 0078761	TRICHLOROETHYLENE, TRICHLORETHANE	Chemclene	9.00	Yes		
4/7/82	1143083	383	10362	PAA 0078761	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
7/21/82	1143083	442	10586	PAA 0078783	TRICHLOROETHYLENE, TRICHLORETHANE	Chemclene	5.00	Yes		
7/21/82	1143083	442	10586	PAA 0078783	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
10/18/82	1143089	486	10790	PAA 4765331	TRICHLORETHYLENE	Chemclene	2.00	Yes		
11/30/82	1143090	526	10897	PAA 0078805	TRICHLORETHYLENE	Chemclene	3.00	Yes		
3/14/83	1143091	579	11100	PAA 0078864	TRICHLORETHYLENE	Chemclene	5.00	Yes		
5/17/83	1143092	624	11240	PAA 0078853	TRICHLORETHANE, TRICHLOROETHYLENE	Chemclene	2.00	Yes		
5/17/83	1143092	624	11240	PAA 0078853	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
6/27/83	1143093	661	11337	PAA 0078901	TRICHLORETHYLENE	Chemclene	4.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

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8/11/83	11430941	3681	11459	NA	TRICHLORETHYLENE	Material Reclaine	20.07	No		
8/18/83	11430952	702	11485	PAA 0078923	TRICHLORETHYLENE	Chemclene	5.00	Yes		
10/19/83	11430963	747	11608	PAA 0078934	TRICHLORETHYLENE	Chemclene	1.00	Yes		
1/20/84	11430974	843	11831	PAA 0078945	TRICHLORETHYLENE	Chemclene	4.00	Yes		
2/21/84	11430985	871	11895	PAA 0078960	TRICHLORETHYLENE	Chemclene	7.00	Yes		
9/7/84	11430991	1075	12377	PAA 0078971	TRICHLORETHYLENE	Chemclene	6.00	Yes		
12/11/84	11431001	1182	12591	PAB 00889954	TRICHLORETHYLENE	Chemclene	2.00	Yes		
12/11/84	11431003	1182	12591	PAB 00889954	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
2/14/85	11431011	1243	12727	PAB 00890584	TRICHLORETHYLENE	Chemclene	3.00	Yes		
3/7/85	11431021	1268	12789	PAB 00890853	TRICHLORETHYLENE	Chemclene	3.00	Yes		
3/18/85	11431031	1284	12807	PAB 00890772	TRICHLORETHYLENE	Chemclene	2.00	Yes		
3/18/85	11431031	1284	12807	PAB 00890772	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
5/14/85	11431041	1352	12915	PAB 00891365	TRICHLORETHYLENE	Chemclene	3.00	Yes		
6/5/85	11431051	1380	12977	PAB 00891645	TRICHLORETHYLENE	Chemclene	4.00	Yes		
9/2/85	11431061	1458	13163	PAB 00892452	TRICHLOROETHANE	Chemclene	4.00	Yes		
1/30/86	11431071		13466	PAB 00893513	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality.

PRP Name: Fisher & Porter Co.

**DRAFT**

7/21/97

**Researcher Initials:**

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
1/30/86	11439003	0	13466	PAB 00893513	TRICHLORETHANE, TRICHLOROETHYLENE	Chemclene	3.00	Yes		
3/11/86	11431023	1658	13541	PAB 2262901	TRICHLORETHYLENE	Chemclene	3.00	Yes		
4/18/86	11431103	1704	13616	PAB 2263284	RECLAIMABLE AND NON-RECLAIMABLE TRICHL	Chemclene	1.00	Yes		
4/18/86	11431103	1704	13616	PAB 2263284	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
8/15/86	11431113	1830	13844	PAB 2262315	TRICHLORETHYLENE	Chemclene	11.00	Yes		
3/15/89	11431123	2813	15516	PAB 5912336	FLUX AND FLUX THINNER	Not Determined	7.00	Yes		
3/15/89	11431133	2814	15516	PAB 5912336	FREON TMS	Not Determined	1.00	Yes		
6/28/89	11431143	2957	15719	PAB 5911253	FREON, WATER	Chemclene	1.00	Yes		
6/28/89	11431143	2957	15719	PAB 5911253	FREON	Chemclene	2.00	Yes		
9/29/89	11431153	3055	15925	PAC 1280123	ISOPROPANOL, ETHYL ALCOHOL, RESIN	Chemclene	1.00	Yes		
9/29/89	11431153	3055	15925	PAC 1280123	FREON	Chemclene	1.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

PRP Name: General Electric

Researcher Initials:

Data Entry Initials:

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
2/18/80	11560031	9692		NA	TRICHLOROETHANE	Material Reclaim	17.27	No		
2/18/80	11560031	9692		NA	TRICHLOROETHANE	Not Determined	21.00	Yes		
4/26/80	11560093	919		NA	TRICHLOROETHANE	Not Determined	7.00	Yes		
3/30/81	11560093	0		PAA 1242113	TRICHLOROETHANE	Chemclene	24.00	Yes		
4/3/81	11560145	9		NA	TRICLORETHYLENE	Chemclene	16.00	Yes		
4/3/81	11560145	36		NA	TRICHLOROETHANE	Chemclene	8.00	Yes		
4/3/81	11560181	61		NA	TRICLORETHYLENE	Chemclene	9.00	Yes		
4/3/81	11560181	83		NA	TRICHLOROETHANE	Chemclene	7.00	Yes		
4/3/81	11560181	84		NA	TRICHLOROETHANE	Chemclene	8.00	Yes		
4/3/81	11560111	106		NA	TRICHLOROETHANE	Chemclene	14.00	Yes		
4/3/81	11560101	121		NA	TRICHLOROETHANE	Chemclene	10.00	Yes		
4/3/81	11560121	136		NA	TRICHLOROETHANE	Chemclene	20.00	Yes		
4/21/81	11560191	170		PAA 1201690	TRICLORETHYLENE	Chemclene	11.00	Yes		
5/13/81	11560211	0		PAA 1210182	TRICHLOROETHANE	Chemclene	11.00	Yes		
6/2/81	11560221	198		PAA 1230390	TRICHLOROETHANE	Chemclene	11.00	Yes		
6/23/81	11560231	0		PAA 1230493	TRICHLOROETHANE	Chemclene	9.00	Yes		

**Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

DRAFT

7/21/97

**PRP Name: General Electric**

**Researcher Initials:**

**Data Entry Initials:**

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# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: General Motors Corporation

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
12/17/74	14130475	NA	NA	NA	LAQUER THINNER		1.00	Yes		
12/17/74	14130477	NA	NA	NA	CHEMICALS NOI		4.00	Yes		
1/12/77	11570015	9464	NA	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	23.00	Yes		
4/20/77	11570023	9500	NA	NA	WASTE SCARLET EASINE	Not Determined	20.00	Yes		
7/22/77	11570035	4855	NA	NA	WASTE SCARLET EASINE	Not Determined	22.00	Yes		
9/16/77	11570045	4870	NA	NA	WASTE SCARLET EASINE	Not Determined	20.00	Yes		
12/16/77	11570055	3605	NA	NA	WASTE SCARLET EASINE	Not Determined	22.00	Yes		
3/3/78	11570065	3628	NA	NA	WASTE SCARLET EASINE	Not Determined	22.00	Yes		
5/11/78	11570075	3647	NA	NA	WASTE SCARLET EASINE	Not Determined	21.00	Yes		
5/11/78	11570085	4715	NA	NA	WASTE SCARLET EASINE	Not Determined	22.00	Yes		
6/30/78	11570095	4741	NA	NA	WASTE SCARLET EASINE	Not Determined	20.00	Yes		
8/1/78	11570105	4751	NA	NA	WASTE SCARLET EASINE	Not Determined	21.00	Yes		
8/31/78	11570115	4763	NA	NA	WASTE SCARLET EASINE	Not Determined	25.00	Yes		
10/5/78	11570125	4780	NA	NA	WASTE SCARLET EASINE	Not Determined	18.00	Yes		
11/16/78	11570145	4809	NA	NA	WASTE SCARLET EASINE	Not Determined	20.00	Yes		
12/12/78	11570155	4815	NA	NA	WASTE SCARLET EASINE	Not Determined	22.00	Yes		

**Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

DRAFT  
7/21/97

**PRP Name:** General Motors Corporation

**Researcher Initials:**

**Data Entry Initials:**

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# Malyvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: Hamilton Precision Metals

Researcher Initials:

Data Entry Initials:

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
9/24/81	11710017	270	8830	PAA 2144951	FLAMMABLES	Chemclene	0.91	Yes		
9/24/81	11710017	270	8830	PAA 2144951	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	10.00	Yes		
9/24/81	11710017	270	8830	PAA 2144951	WASTE ACID	Chemclene	13.00	Yes		
9/24/81	11710021	271	8831	PAA 2144962	SODIUM CYANIDE	Chemclene	1.00	Yes		
9/29/81	11710033	2992		NA	ACID	Not Determined	13.00	Yes		
9/30/81	11710041	275	8848	PAA 2144973	SODIUM CYANIDE	Chemclene	1.00	Yes		
9/30/81	11710041	275	8848	PAA 2144973	WASTE OIL	Chemclene	7.09	Yes		
12/17/81	11710052	319	10118	PAA 2144984	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
12/17/81	11710052	319	10118	PAA 2144984	WASTE ACID	Chemclene	4.00	Yes		
3/15/82	11710063	367	10311	PAA 2144995	WASTE OIL	Chemclene	2.00	Yes		
3/15/82	11710063	367	10311	PAA 2144995	WASTE ACID	Chemclene	4.00	Yes		
4/29/82	11710073	392	10411	PAA 2145006	WASTE ACID	Chemclene	4.00	Yes		
6/9/82	11710083	418	10635	PAA 2145010	WASTE TRICHLORETHANE	Chemclene	1.00	Yes		
6/9/82	11710083	418	10635	PAA 2145010	WASTE OIL	Chemclene	1.00	Yes		
6/9/82	11710083	418	10635	PAA 2145010	WASTE ACID	Chemclene	10.00	Yes		
8/23/82	11710095	3298	10673	NA	EMPTY ACID DRUMS	Not Determined	0.72	Yes		

## Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

PRP Name: Hamilton Precision Metals

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
9/23/82	11710102	470	10743	PAA 2145043	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
9/23/82	11710103	470	10743	PAA 2145043	WASTE ACID	Chemclene	2.00	Yes		
3/25/83	11710114	586	11133	PAA 2145076	WASTE ACID	Chemclene	10.00	Yes		
6/21/83	11710125	653	11325	PAA 2145091	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
12/15/83	11710137	810	11759	PAA 2145065	WASTE ACID	Chemclene	6.00	Yes		
3/30/84	11710148	902	11999	PAA 2145102	NITRIC AND HYDROFLUORIC ACID	Chemclene	2.00	Yes		
6/19/84	11710159	1006	12190	PAA 2145124	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
6/19/84	11710159	1006	12190	PAA 2145124	WASTE ACID	Chemclene	4.00	Yes		
9/17/84	11710168	1080	12397	PAA 2145146	WASTE MIXED ACIDS	Chemclene	4.00	Yes		
9/28/84	11710179	4151	12424	NA	EMPTY DRUMS FOR ACID USE	Not Determined	11.00	No		
2/28/85	11710189	1256	12757	PAB 00345332	PICKLE LIQUOR	Chemclene	6.00	Yes		
3/29/85	11710198	48		NA	ACIDS WITH HEAVY METALS	Not Determined	6.00	Yes		
6/26/85	11710209	1395	13016	NA	WASTE MIXED ACIDS	RTS via Chemclene	2.00	Yes		
6/27/85	11710213	5167		PAB 00345354	WASTE CORROSIVE LIQUID	Hamilton Precisio	2.00	No		
10/7/85	11710222	1495	13231	PAB 2762620	WASTE HYDROFLUORIC ACID, HYDROCHLORIC AC	RTS via Chemclene	2.00	Yes		
10/7/85	11710231	1496	13231	PAB 2762620	WASTE HYDROFLUORIC, SULFURIC, & NITRIC ACID	RTS via Chemclene	2.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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Data Entry Initials:

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
10/7/85	1171024	1498	13231	PAB 2762620	WASTE CORROSIVE SOLID (SODIUM HYDROXIDE)	RTS via Chemclene	2.00	Yes		
2/14/86	1171025	1632	13492	PAB 2762616	WASTE ACID	RTS via Chemclene	3.00	Yes		
4/11/86	1171026	1697	13606	PAB 2762421	WASTE ACID	RTS via Chemclene	1.00	Yes		
6/26/86	1171027	1784	13763	PAB 2762502	WASTE ACID	Chemclene	2.00	Yes		
6/30/86	1171028	6440		PAB 2261976	HYDROFLUORIC ACID, NITRIC ACID, SULFURIC ACI	Not Determined	2.00	Yes		
10/21/86	1171029	1897	13968	PAB 2762535	WASTE ACID	Chemclene	2.00	Yes		
2/4/87	1171030	2008	14140	PAB 2762550	WASTE ACID	Chemclene	3.00	Yes		
2/4/87	1171031	2009	14140	PAB 2762550	WASTE COOLANT WITH TRICHLORETHANE	Chemclene	16.00	Yes		
2/4/87	1171032	2010	14140	PAB 2762550	POLYALKYLENE GLYCOL (NON HAZARDOUS)	Chemclene	0.20	Yes		
5/1/87	1171033	2108	14313	PAB 2762594	WASTE ACID	Chemclene	2.00	Yes		
5/1/87	1171034	2109	14313	PAB 2762594	POLYALKYLENE GLYCOL	Chemclene	7.40	Yes		
6/24/87	1171035	2163	14417	PAB 4103735	WASTE ACID	Chemclene	3.00	Yes		
6/24/87	1171036	2164	14417	PAB 4103735		Chemclene	2.00	Yes		
6/24/87	1171037	2165	14417	PAB 4103735	WASTE POLYALKYLENE GLYCOL	Chemclene	0.22	Yes		
6/24/87	1171038	2164	14417	PAB 4103735	WASTE COOLANT AND 1,1,1 TRICHLORETHANE	Chemclene	2.00	Yes		
10/16/87	1171039	2275	14635	PAB 4103750	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		

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10/16/87	1171038	2276	14635	PAB 4103750	WASTE POLYALKYLENE GLYCOL (NON-HAZARDO	Chemclene	0.58	Yes		
1/13/88	1171040	2378	14805	PAB 4103761	WASTE ACID	Chemclene	5.00	Yes		
1/13/88	1171041	2379	14805	PAB 4103761	WASTE POLYALKYLENE GLYCOL (NON-HAZARDO	Chemclene	0.36	Yes		
3/21/88	1171042	2438	14920	PAB 4103746	WASTE HYDROFLUORIC, SULFURIC, & NITRIC ACID	Chemclene	2.00	Yes		
3/21/88	1171043	2439	14920	PAB 4103746	WASTE AIR SCRUBBER RESIDUE	Chemclene	3.00	Yes		
6/3/88	1171044	2515	15059	PAB 2762605	WASTE ACID	Chemclene	3.00	Yes		
9/15/88	1171046	2611	15223	PAB 5726766	CORROSIVE (HYDROFLUORIC)	Chemclene	2.00	Yes		
9/15/88	1171047	2612	15223	PAB 5726766	WASTE TRICLORETHANE	Chemclene	9.00	Yes		
9/15/88	1171048	2613	15223	PAB 5726766	EFCO CLEANER LIQUID	Not Determined	6.00	Yes		
1/18/89	1171049	2755	15420	PAB 4103783	WATER SOLUBLE OIL (ASO)	Chemclene	20.00	Yes		
1/18/89	1171050	2756	15420	PAB 4103783	POLYALKYLENE GLYCOL	Chemclene	1.00	Yes		
2/21/89	1171052	2786	15475	PAB 4103794	EFCO CLEANER LIQUID (NON HAZARDOUS)	Chemclene	12.00	Yes		
2/21/89	1171053	2787	15475	PAB 4103794	WASTE AIR SCRUBBER RESIDUE (NON-HAZARDOU	Chemclene	1.00	Yes		
2/21/89	1171050	2788	15475	PAB 4103794	WASTE ACID	Chemclene	2.00	Yes		
2/21/89	1171054	2789	15475	PAB 4103794	WASTE SCRUBBER LIQUID (NON-HAZARDOUS)	Chemclene	3.00	Yes		
2/21/89	1171053	2790	15475	PAB 4103794	NON HAZARDOUS PILLOWS & PIGS	Chemclene	1.00	Yes		

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4/11/89	11710592	2845	15566	PAB 4103805	WASTE ACID	Chemclene	12.00	Yes		
4/11/89	11710593	2846	15566	PAB 4103805	PILLOWS & PIGS	Chemclene	2.00	Yes		
4/11/89	11710593	2847	15566	PAB 4103805	SCRUBBER LIQUID	Chemclene	3.00	Yes		
8/2/89	11710612	2983	15793	PAB 4103816	WASTE ACID	Chemclene	1.00	Yes		
8/2/89	11710593	2984	15793	PAB 4103816	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
8/2/89	11710582	2985	15793	PAB 4103816	WASTE EFCO	Chemclene	12.00	Yes		
8/2/89	11710623	2986	15793	PAB 4103816	WASTE ISODEX	Chemclene	2.00	Yes		
8/2/89	11710604	2987	15793	PAB 4103816	WASTE POLYALKYLENE GLYCOL	Chemclene	0.55	Yes		
10/24/89	11710637	3073	15978	PAB 4103820	WASTE ACID	Chemclene	8.00	Yes		
10/24/89	11710658	3074	15978	PAB 4103820	SCRUBBER RESIDUE	Chemclene	4.00	Yes		
10/24/89	11710641	3075	15978	PAB 4103820	AMPLEX DIAMOND COMPOUND	Chemclene	0.55	Yes		
1/25/90	11710663	3160	16112	PAB 4103842	WASTE EFCO	Chemclene	21.00	Yes		
2/22/90	11710694	3183	16194	PAC 1280543	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
2/22/90	11710672	3184	16194	PAC 1280543	WASTE ACID	Chemclene	6.00	Yes		
2/22/90	11710677	3158	16194	PAC 1280543	WASTE SCRUBBER LIQUID	Not Determined	3.00	No		
2/22/90	11710684	3183	16194	PAC 1280543	WASTE EFCO	Chemclene	7.00	Yes		

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2/22/90	1171068	3187	16194	PAC 1280543	QIL AND WATER	Chemclene	2.00	Yes		
3/1/90	1171070	6872	16204	NA	SCRUBBER LIQUID	Not Determined	3.00	No		
6/6/90	1171071	3289	16382	PAB 4103853	WASTE AMPLEX	Not Determined	1.00	Yes		
6/6/90	1171072	3290	16382	PAB 4103853	WASTE EFCO	Not Determined	14.00	Yes		
9/21/90	1171074	3380	16609	PAC 2937554	WASTE EFCO	Not Determined	3.00	Yes		
9/21/90	1171073	3381	16609	PAC 2937554	WASTE ACID	Not Determined	4.00	Yes		
9/21/90	1171075	3382	16609	PAC 2937554	SCRUBBER LIQUID	Not Determined	7.00	Yes		
12/14/90	1171076	3432	16754	PAC 1280565	WASTE ACID	Not Determined	6.00	Yes		
12/14/90	1171077	3433	16754	PAC 1280565	WASTE SCRUBBER LIQUID	Not Determined	3.00	Yes		
12/14/90	1171078	3434	16754	PAC 1280565	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
3/13/91	1171079	3500	16886	PAC 2938235	WASTE ACID	Not Determined	4.00	Yes		
5/14/91	1171081	3533	16979	PAC 2938515	WASTE ACID	Not Determined	4.00	Yes		
5/14/91	1171082	3534	16979	PAC 2938526	WASTE SCRUBBER LIQUID	Not Determined	4.00	Yes		
5/14/91	1171084	3535	16979	PAC 2938526	WASTE METHYL ETHYL KETONE	Not Determined	1.00	Yes		
8/27/91	1171084	3607	17124	PAC 4868371	WASTE EFCO	Chemclene	6.00	Yes		
8/27/91	1171085	3608	17124	PAC 4868371	MIXED ACIDS	Not Determined	2.00	Yes		

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8/27/91	1171089	3609	17124	PAC 4868371	WASTE SCRUBBER LIQUID	Not Determined	3.00	Yes		
10/18/91	1171089	3637	17200	PAC 4868382	WASTE ACID	Not Determined	3.00	Yes		
10/18/91	1171087	3638	17200	PAC 4868382	WASTE WATER (ASO)	Not Determined	13.00	Yes		
12/20/91	1171090	3689	17311	PAC 2938541	SCRUBBER LIQUID	Not Determined	4.00	Yes		
12/20/91	1171090	3690	17311	PAC 2938563	WASTE ACID	Not Determined	2.00	Yes		
2/13/92	1171092	3729	17381	PAC 2938585	WASTE ACID	Not Determined	8.00	Yes		
2/13/92	1171092	3730	17381	PAB 4103886	WASTE ASO	Not Determined	2.00	Yes		
2/13/92	1171092	3731	17381	PAB 4103886	WASTE SCRUBBER LIQUID	Not Determined	3.00	Yes		
2/13/92	1171092	3732	17381	PAB 4103886	WASTE EFCO	Not Determined	4.00	Yes		
4/10/92	1171093	3779	17465	PAC 6119562	WASTE MIXED ACIDS	Not Determined	3.00	Yes		
4/10/92	1171093	3780	17465	PAC 6119573	WASTE CUTZOL	Not Determined	5.73	Yes		
4/10/92	1171093	3781	17465	PAC 6119573	WASTE I,I,I TRICHLOROETHAN & OIL (AMPLEX)	Not Determined	1.64	Yes		
4/10/92	1171093	3782	17465	PAC 6119573	WASTE ASO	Not Determined	2.10	Yes		
6/26/92	1171094	3835	17571	PAC 6119595	WASTE ACID	Not Determined	5.00	Yes		
6/26/92	1171094	3836	17571	PAC 6119584	WASTE ASO	Not Determined	3.00	Yes		
6/26/92	1171094	3837	17571	PAC 6119584	WASTE SCRUBBER LIQUID	Not Determined	6.00	Yes		

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6/26/92	11710943	3838	17571	PAC 6119584	WASTE CUTZOL	Not Determined	1.00	Yes		
6/26/92	11710943	3839	17571	PAC 6119584	WASTE CITRICLEAN	Not Determined	1.00	Yes		
2/10/93	11710954	3950	17834	PAC 6120273	WASTE ASO	Not Determined	3.00	Yes		
2/10/93	11710954	3951	17834	PAC 6120273	WASTE CUTZOL	Not Determined	2.00	Yes		
2/10/93	11710954	3952	17834	PAC 6120272	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	5.00	Yes		
2/10/93	11710954	3953	17834	PAC 6120295	WASTE ACID	Not Determined	2.00	Yes		
2/10/93	11710954	3954	17834	PAC 6120273	WASTE PICKLING FILTRATE	Not Determined	2.00	Yes		
2/10/93	11710954	3955	17834	PAC 6120273	ABSORBANT PILLOWS	Not Determined	1.00	Yes		
2/10/93	11710954	3956	17834	PAC 6120273	SCRUBBER SOLIDS	Not Determined	1.00	Yes		
5/7/93	11710962	4000	17936	PAC 6120284	WASTE ACID	Not Determined	5.00	Yes		
5/7/93	11710962	3994	17936	PAC 6120306	WASTE CITRICLEAN	Not Determined	3.00	Yes		
5/7/93	11710962	3995	17936	PAC 6120306	WASTE PICKLING RINSE	Not Determined	8.00	Yes		
5/7/93	11710962	3996	17936	PAC 6120306	WASTE SCRUBBER LIQUID	Not Determined	5.00	Yes		
5/7/93	11710962	3997	17936	PAC 6102306	WASTE ASO	Not Determined	4.00	Yes		
5/7/93	11710962	3998	17936	PAC 6120306	CUTZOL	Not Determined	2.00	Yes		
5/7/93	11710962	3999	17936	PAC 6120306	WASTE EFCO	Not Determined	1.00	Yes		

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8/13/93	11710979	4049	18058	PAC 6120310	WASTE PICKLING RINSE WATER	Not Determined	5.00	Yes		
8/13/93	11710979	4050	18058	PAC 6120310	WASTE SCRUBBER LIQUID	Not Determined	5.00	Yes		
8/13/93	11710979	4051	18058	PAC 6120310	WASTE FILTER SOLIDS	Not Determined	1.00	Yes		
8/13/93	11710979	4052	18058	PAC 6120321	WASTE CITRICLEAN	Not Determined	1.00	Yes		
8/13/93	11710979	4053	18058	PAC 6120310	WASTE ASO	Not Determined	3.00	Yes		
8/13/93	11710979	4054	18058	PAC 6120321	WASTE EFCO	Not Determined	1.00	Yes		
11/10/93	11710983		18154	NA	DISPOSAL PLASTIC DRS	Not Determined	2.00	No		
11/10/93	11710983		18154	NA	17-E DRUM	Not Determined	2.00	No		
11/10/93	11710983	4090	18154	NJA 1779270	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
11/10/93	11710983	4091	18154	NJA 1779270	WASTE KEROSENE MIXTURE	Not Determined	2.00	Yes		
11/10/93	11710983	4092	18154	PAC 6120332	WASTE EFCO	Not Determined	3.00	Yes		
11/10/93	11710983	4093	18154	PAC 6120332	WASTE SCRUBBER LIQUID	Not Determined	2.00	Yes		
11/10/93	11710983	4094	18154	PAC 6120332	WASTE ASO	Not Determined	1.00	Yes		

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	1172059	4754		NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
	1172059	4754		NA	TRICHLOROETHANE	Not Determined	5.00	Yes		
	1172059	4754		NA	OIL	Not Determined	13.00	Yes		
8/18/75	1172001	3860		NA	OIL, TRICHLOROETHANE	Not Determined	22.00	Yes		
9/28/77	1172058	4871		NA	METHYLENE CHLORIDE	Not Determined	2.00	Yes		
9/28/77	1172058	4871		NA	1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
9/28/77	1172058	4871		NA	TRICHLORETHYLENE	Not Determined	15.00	Yes		
9/28/77	1172058	4871		NA	OIL	Not Determined	24.00	Yes		
11/23/77	1172003	4889		NA	TRICHLORETHYLENE	Not Determined	13.00	Yes		
11/23/77	1172003	4889		NA	WASTE OIL	Not Determined	25.00	Yes		
3/7/78	1172004	3632		NA	DIRTY TRICHLORETHYLENE	Not Determined	4.00	Yes		
3/7/78	1172004	3632		NA	OIL	Not Determined	18.00	Yes		
3/13/78	1172005	3635		NA	DIRTY TRICHLORETHYLENE	Not Determined	13.00	Yes		
3/13/78	1172005	3635		NA	OIL	Not Determined	33.00	Yes		
6/19/78	1172006	4712	7128	NA	1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
6/19/78	1172006	4712	7128	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		

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6/19/78	1172006	4712	7128	NA	OIL	Not Determined	14.00	Yes		
6/19/78	1172006	4716	7128	NA	1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
6/19/78	1172006	4716	7128	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
6/19/78	1172006	4716	7128	NA	OIL	Not Determined	20.00	Yes		
7/19/78	1172007	4739	7163	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
7/19/78	1172007	4739	7163	NA	WASTE OIL	Not Determined	12.00	Yes		
8/3/78	1172009	4755		NA	1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
8/3/78	1172009	4755		NA	WASTE OIL	Not Determined	9.00	Yes		
8/3/78	1172009	4755		NA	TRICHLORETHYLENE	Not Determined	11.00	Yes		
9/29/78	1172010	4784		NA	WASTE OIL	Not Determined	8.00	Yes		
9/29/78	1172010	4784		NA	DIRTY TRICHLORETHYLENE	Not Determined	9.00	Yes		
10/6/78	1172011	4788		NA	DIRTY TRICHLORETHYLENE	Not Determined	6.00	Yes		
10/6/78	1172011	4788		NA	OIL	Not Determined	10.00	Yes		
10/30/78	1172012	4800		NA	DIRTY TRICHLORETHYLENE	Not Determined	3.00	Yes		
10/30/78	1172012	4800		NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	7.00	Yes		
10/30/78	1172012	4800		NA	DIRTY OIL	Not Determined	12.00	Yes		

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1/4/79	1172013	7377		NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
1/4/79	1172013	7377		NA	WASTE OIL	Not Determined	16.00	Yes		
1/8/79	1172014	4842		NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
1/8/79	1172014	4842		NA	OIL	Not Determined	8.00	Yes		
1/8/79	1413098	4826	7378	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
1/8/79	1413098	4826	7378	NA	OIL	Not Determined	16.00	Yes		
2/22/79	1413097	4833	7427	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
2/22/79	1413097	4833	7427	NA	OIL	Not Determined	13.00	Yes		
2/26/79	1172016	9951		NA	DIRTY TRICHLORETHYLENE	Not Determined	11.00	Yes		
2/26/79	1172016	9951		NA	OIL	Not Determined	13.00	Yes		
5/17/79	1413100	9991	7545	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
5/17/79	1413100	9991	7545	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
5/17/79	1413100	9991	7545	NA	WASTE	Not Determined	5.00	Yes		
5/17/79	1413100	9991	7545	NA	OIL	Not Determined	12.00	Yes		
5/21/79	1172057	7535		NA	UNSPECIFIED WASTE	Not Determined	23.00	Yes		
5/21/79	1172057	7535		NA	OIL	Not Determined	43.00	Yes		

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5/21/79	1172018	9984	7536	NA	EMPTY DRUMS	Not Determined	3.00	No		
5/21/79	1172018	9984	7536	NA	OIL	Not Determined	9.00	Yes		
5/21/79	1172018	9984	7536	NA	TRICHLORETHYLENE	Not Determined	11.00	Yes		
5/21/79	1413099	1944	7537	NA	WASTE	Not Determined	1.00	Yes		
5/21/79	1413099	1944	7537	NA	OIL	Not Determined	3.00	Yes		
5/21/79	1413099	1944	7537	NA	EMPTY DRUMS	Not Determined	4.00	No		
5/21/79	1413099	1944	7537	NA	FREON	Not Determined	15.00	Yes		
5/21/79	1413099	1945	7537	NA	FREON	Not Determined	20.00	Yes		
9/15/79	1172021	9910		NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
9/15/79	1172021	9910		NA	1,1,1 TRICHLOROETHANE	Not Determined	5.00	Yes		
10/4/79	1172022	9653	7893	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
10/4/79	1172022	9653	7893	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
1/22/80	1172024	0908	7897	NA	FREON	Not Determined	1.00	Yes		
1/22/80	1172024	0908	7897	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	4.00	Yes		
1/22/80	1172024	0908	7897	NA	DIRTY TRICHLORETHYLENE	Not Determined	8.00	Yes		
1/22/80	1172024	0908	7897	NA	OIL	Not Determined	8.00	Yes		

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3/3/80	1172020	9909	7891	NA	TRICHLORETHYLENE	Not Determined	8.00	Yes		
3/3/80	1172026	2208	7896	NA	1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
3/3/80	1172026	2208	7896	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
3/3/80	1413190	9653	7893		1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
3/3/80	1413191	9683	7895	NA	FREON	Not Determined	1.00	Yes		
3/3/80	1172027	9683	7895	NA	FREON	Not Determined	1.00	Yes		
3/3/80	1172027	9683	7895	NA		Not Determined	1.00	Yes		
3/3/80	1172027	9683	7895	NA	SOAPY WATER	Not Determined	1.00	Yes		
3/3/80	1172027	9683	7895	NA	DIRTY TRICHLORETHYLENE	Not Determined	2.00	Yes		
3/3/80	1172027	9683	7895	NA	UNKNOWN	Not Determined	2.00	Yes		
3/3/80	1172027	9683	7895	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
3/3/80	1172027	9683	7895	NA	OIL	Not Determined	14.00	Yes		
3/3/80	1172019	9909	7891	NA	NON-SALVAGEABLE OIL	Not Determined	1.00	Yes		
3/3/80	1172028	9936	7892	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
3/3/80	1172028	9936	7892	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
3/3/80	1172029	9969	7894	NA	TRICHLOROETHYLENE, TRICHLOROETHANE	Not Determined	6.00	Yes		

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3/3/80	1172029	9969	7894	NA	NON-SALVAGEABLE OIL	Not Determined	17.00	Yes		
4/14/80	1172031	11		NA	ALCOHOL	Chemclene	1.00	Yes		
4/14/80	1172031	11		NA	OIL	Chemclene	8.00	Yes		
4/14/80	1172031	11		NA	TRICHLORETHYLENE	Chemclene	12.00	Yes		
4/26/80	1413191	11		NA	WATER	Chemclene	1.00	Yes		
11/3/80	1172032	37	8221	NA	1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
11/3/80	1172032	37	8221	NA	CHLORINATED STILL BOTTOMS	Not Determined	3.00	No		
11/3/80	1172032	37	8221	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
11/3/80	1172032	37	8221	NA	WASTE OIL	Not Determined	13.00	Yes		
11/3/80	1172033	60	8222	NA	1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
11/3/80	1172033	60	8222	NA	TRICHLORETHYLENE	Chemclene	2.00	Yes		
11/3/80	1172033	60	8222	NA	OIL	Not Determined	15.00	Yes		
11/25/80	1172034	100	8268	NA	FREON	Chemclene	1.00	Yes		
11/25/80	1172034	100	8268	NA	DIRTY 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
11/25/80	1172034	100	8268	NA	DIRTY TRICHLORETHYLENE	Not Determined	4.00	Yes		
11/25/80	1172034	100	8268	NA	WASTE OIL	Chemclene	7.00	Yes		

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11/26/80	11720354	109	8271	NA	NON-SOLVENT	Chemclene	1.00	Yes		
11/26/80	11720355	109	8271	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
11/26/80	11720356	109	8271	NA	WATER	Chemclene	3.00	Yes		
11/26/80	11720357	109	8271	NA	OIL	Chemclene	9.00	Yes		
11/26/80	11720358	109	8271	NA	FREON	Not Determined	12.00	Yes		
4/22/81	11720373	138	8513	NA	FREON	Chemclene	1.00	Yes		
4/22/81	14131922	138	8513	NA	STILL BOTTOMS	Chemclene	4.00	No		
4/22/81	11720374	138	8513	NA	MIXED FLAMMABLES	Chemclene	5.00	Yes		
4/22/81	11720375	138	8513	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.00	Yes		
4/22/81	11720376	138	8513	NA	OIL	Not Determined	6.00	Yes		
4/22/81	11720377	138	8513	NA	TRICHLORETHYLENE	Not Determined	9.00	Yes		
4/22/81	11720378	85	8514	NA	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	4.00	Yes		
4/22/81	11720379	85	8514	NA	WASTE TRICHLORETHYLENE	Chemclene	9.00	Yes		
4/22/81	11720380	85	8514	NA	WASTE OIL	Chemclene	11.00	Yes		
5/6/81	11720392	176	8569	PAA 2145301	NON-RECOVERABLE WASTE	Chemclene	2.00	Yes		
5/6/81	11720393	176	8569	PAA 2145301	OIL	Chemclene	4.00	Yes		

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5/6/81	1172039	176	8569	PAA 2145301	TRICHLORETHYLENE	Chemclene	9.00	Yes		
5/6/81	1172039	176	8569	PAA 2145301	1,1,1 TRICHLOROETHANE	Chemclene	12.00	Yes		
5/7/81	1172040	178	8574	PAA 0129043	MIXED FLAMMABLES	Chemclene	3.00	Yes		
5/7/81	1172040	178	8574	PAA 0129043	FREON (MIXED)	Chemclene	4.00	Yes		
5/7/81	1172040	178	8574	PAA 0129043	OIL	Chemclene	15.00	Yes		
5/22/81	1172041	190	8601	PAA 0129183	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	4.00	Yes		
5/22/81	1172041	190	8601	PAA 0129183	WASTE TRICHLOROTRIFLUOROTHANE	Chemclene	5.00	Yes		
5/22/81	1172041	190	8601	PAA 0129183	WASTE TRICHLORETHYLENE	Chemclene	6.00	Yes		
5/22/81	1172041	190	8601	PAA 0129183	WASTE OIL	Chemclene	12.00	Yes		
5/22/81	1172042	192	8602	PAA 0129194	WASTE TRICHLOROTRIFLUOROTHANE	Chemclene	3.00	Yes		
5/22/81	1172042	192	8602	PAA 0129194	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	3.00	Yes		
5/22/81	1172042	192	8602	PAA 0129194	WASTE TRICHLORETHYLENE	Chemclene	6.00	Yes		
5/22/81	1172042	192	8602	PAA 0129194	WASTE MINERAL SPIRITS	Chemclene	6.00	Yes		
5/22/81	1172042	192	8602	PAA 0129194	WASTE OIL	Chemclene	7.00	Yes		
6/22/81	1172043	208	8657	PAA 0129216	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
6/22/81	1172043	208	8657	PAA 0129216	FLAMMABLE WASTE	Chemclene	1.00	Yes		

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6/22/81	11720433	208	8657	PAA 0129216	WASTE FREON	Chemclene	4.00	Yes		
6/22/81	11720434	208	8657	PAA 0129216	WASTE TRICHLORETHYLENE	Chemclene	10.00	Yes		
6/22/81	11720435	208	8657	PAA 0129216	WASTE OIL	Chemclene	11.00	Yes		
7/28/81	11720446	233	8721	PAA 0129452	FREON	Chemclene	1.00	Yes		
7/28/81	11720447	233	8721	PAA 0129452	1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
7/28/81	11720448	233	8721	PAA 0129452	WASTE FLAMMABLES	Chemclene	2.00	Yes		
7/28/81	11720449	233	8721	PAA 0129452	TRICHLORETHYLENE	Chemclene	10.00	Yes		
7/28/81	11720450	233	8721	PAA 0129452	OIL	Chemclene	12.00	Yes		
11/4/81	11720451	252	10042	PAA 0129625	1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
11/4/81	11720452	252	10042	PAA 0129625	FREON	Chemclene	3.00	Yes		
11/4/81	11720453	252	10042	PAA 0129625	OIL	Chemclene	5.00	Yes		
11/4/81	11720454	252	10042	PAA 0129625	TRICHLORETHYLENE	Chemclene	12.00	Yes		
11/4/81	11720455	289	10040	PAA 1094365	WASTE FREON	Chemclene	3.00	Yes		
11/4/81	11720456	289	10040	PAA 1094365	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	5.00	Yes		
11/4/81	11720457	289	10040	PAA 1094365	WASTE TRICHLORETHYLENE	Chemclene	9.00	Yes		
11/4/81	11720458	289	10040	PAA 1094365	WASTE OIL	Chemclene	10.00	Yes		

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11/4/81	11720474	290	10041	PAA 1094376	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
11/4/81	11720474	290	10041	PAA 1094376	WASTE FREON	Chemclene	2.00	Yes		
11/4/81	11720474	290	10041	PAA 1094376	WASTE FLAMMABLE LIQUID	Chemclene	2.00	Yes		
11/4/81	11720474	290	10041	PAA 1094376	WASTE TRICHLORETHYLENE	Chemclene	8.00	Yes		
11/4/81	11720474	290	10041	PAA 1094376	WASTE OIL	Chemclene	12.00	Yes		
12/21/81	11720483	321	10221	PAA 1094520	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
12/21/81	11720483	321	10221	PAA 1094520	WASTE OIL	Chemclene	6.00	Yes		
12/21/81	11720483	321	10221	PAA 1094520	WASTE TRICHLORETHYLENE	Chemclene	18.00	Yes		
12/21/81	11720483	321	10221	PAA 1094520	WASTE FLAMMABLE LIQUID	Chemclene	1.00	Yes		
1/20/82	11720493	333	10222	PAA 1094531	OIL	Chemclene	3.00	Yes		
1/20/82	11720493	333	10222	PAA 1094531	1,1,1 TRICHLOROETHANE	Chemclene	4.00	Yes		
1/20/82	11720493	333	10222	PAA 1094531	ETHANOL	Chemclene	6.00	Yes		
1/20/82	11720493	333	10222	PAA 1094531	TRICHLORETHYLENE	Chemclene	13.00	Yes		
3/22/82	11720513	371	10343	PAA 2107324	MIXED FLAMMABLE WASTE	Chemclene	2.00	Yes		
3/22/82	11720513	371	10343	PAA 2107324	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	5.00	Yes		
3/22/82	11720513	371	10343	PAA 2107324	WASTE DENATURED ETHANOL	Chemclene	6.00	Yes		

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3/22/82	1172051	371	10343	PAA 2107324	WASTE OIL	Chemclene	6.00	Yes		
3/22/82	1172051	371	10343	PAA 2107324	WASTE TRICHLORETHYLENE	Chemclene	6.00	Yes		
4/13/82	1172052	385	10380	PAA 2107346	WASTE FREON	Chemclene	2.00	Yes		
4/13/82	1172052	385	10380	PAA 2107346	WASTE DENATURED ETHANOL	Chemclene	3.00	Yes		
4/13/82	1172052	385	10380	PAA 2107346	WASTE OIL	Chemclene	6.00	Yes		
4/13/82	1172052	385	10380	PAA 2107346	WASTE TRICHLORETHYLENE	Chemclene	10.00	Yes		
4/13/82	1172052	385	10380	PAA 2107346	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	5.00	Yes		
4/29/82	1172053	393	10458	PAA 2107394	WASTE OIL	Chemclene	1.00	Yes		
4/29/82	1172053	393	10458	PAA 2107394	WASTE FLAMMABLE SOLVENTS	Chemclene	3.00	Yes		
4/29/82	1172053	393	10458	PAA 2107394	WASTE TRICHLORETHYLENE	Chemclene	15.00	Yes		
4/29/82	1172053	393	10458	PAA 2107394	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
4/29/82	1172053	393	10458	PAA 2107394	WASTE DENATURED ETHANOL	Chemclene	2.00	Yes		
6/3/82	1172054	415	10632	PAA 4667250	WASTE FREON	Chemclene	1.00	Yes		
6/3/82	1172054	415	10632	PAA 4667250	WASTE ACETONE	Chemclene	4.00	Yes		
6/3/82	1172054	415	10632	PAA 4667250	WASTE TRICHLORETHYLENE	Chemclene	6.00	Yes		
6/3/82	1172054	415	10632	PAA 4667250	WASTE OIL	Chemclene	6.00	Yes		

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6/3/82	1172054	415	10632	PAA 4667250	WASTE I,I,I TRICHLOROETHANE	Chemclene	9.00	Yes		
6/8/82	1172055	416	10634	PAA 2107420	WASTE I,I,I TRICHLOROETHANE	Chemclene	7.00	Yes		
6/8/82	1172055	416	10634	PAA 2107420	WASTE FLAMMABLE LIQUID	Chemclene	9.00	Yes		
6/8/82	1172055	416	10634	PAA 2107420	WASTE OIL	Chemclene	10.00	Yes		
6/9/82	1172056	419	10633	PAA 4667316	WASTE I,I,I TRICHLOROETHANE	Chemclene	1.00	Yes		
6/9/82	1172056	419	10633	PAA 4667316	WASTE FLAMMABLE LIQUID	Chemclene	2.00	Yes		
6/9/82	1172056	419	10633	PAA 4667316	WASTE OIL	Chemclene	8.00	Yes		

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1/16/75	1173001	3567	NA	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
1/16/75	1173001	3567	NA	NA	OIL	Not Determined	10.00	Yes		
1/16/75	1173001	3567	NA	NA	DIRTY TRICHLORETHYLENE	Not Determined	11.00	Yes		
2/20/75	1173002	3579	NA	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
2/20/75	1173002	3579	NA	NA	DIRTY TRICHLORETHYLENE	Not Determined	7.00	Yes		
2/20/75	1173002	3579	NA	NA	OIL	Not Determined	9.00	Yes		
2/25/75	1173003	3582	NA	NA	FREON	Not Determined	1.00	Yes		
2/25/75	1173003	3582	NA	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
2/25/75	1173003	3582	NA	NA	OIL	Not Determined	14.00	Yes		
4/16/75	1173004	3754	NA	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
4/16/75	1173004	3754	NA	NA	OIL	Not Determined	9.00	Yes		
4/16/75	1173004	3754	NA	NA	DIRTY TRICHLORETHYLENE	Not Determined	13.00	Yes		
4/23/75	1173005	3758	NA	NA	OIL	Not Determined	8.00	Yes		
4/23/75	1173005	3758	NA	NA	DIRTY TRICHLORETHYLENE	Not Determined	15.00	Yes		
4/28/75	1173006	3762	NA	NA	DIRTY TRICHLORETHYLENE	Not Determined	1.00	Yes		
4/28/75	1173006	3762	NA	NA	OIL	Not Determined	7.00	Yes		

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5/13/75	1173007	3767	NA	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
5/13/75	1173007	3767	NA	NA	OIL	Not Determined	15.00	Yes		
6/17/75	1173008	3784	NA	NA	TRICHLORETHYLENE	Not Determined	11.00	Yes		
6/17/75	1173008	3784	NA	NA	OIL	Not Determined	12.00	Yes		
7/22/75	1173009	3798	NA	NA	WASTE SCARLET EASINE	Not Determined	4.00	Yes		
7/22/75	1173009	3798	NA	NA	TRICHLORETHYLENE	Not Determined	14.00	Yes		
7/22/75	1173009	3798	NA	NA	OIL	Not Determined	20.00	Yes		
8/1/75	1173010	3854	NA	NA	JUNK	Not Determined	8.00	Yes		
8/4/75	1173011	3855	NA	NA	WASTE SCARLET EASINE	Not Determined	1.00	Yes		
8/4/75	1173011	3855	NA	NA	JUNK	Not Determined	1.00	Yes		
8/4/75	1173011	3855	NA	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
8/4/75	1173011	3855	NA	NA	ACID METH	Not Determined	14.00	Yes		
8/18/75	1173012	3860	NA	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
8/18/75	1173012	3860	NA	NA	WASTE SCARLET EASINE	Not Determined	3.00	Yes		
8/18/75	1173012	3860	NA	NA	OIL	Not Determined	17.00	Yes		
9/5/75	1173013	3873	NA	NA	WASTE SCARLET EASINE	Not Determined	1.00	Yes		

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9/5/75	1173013	3873	NA	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
9/5/75	1173013	3873	NA	NA	OIL	Not Determined	4.00	Yes		
9/19/75	1173014	3881	NA	NA	WASTE SCARLET EASINE	Not Determined	6.00	Yes		
9/19/75	1173014	3881	NA	NA	OIL	Not Determined	14.00	Yes		
9/25/75	1173015	3885	NA	NA	1,1,1 TRICHLORETHYLENE	Not Determined	7.00	Yes		
9/25/75	1173015	3885	NA	NA	WASTE SCARLET EASINE	Not Determined	12.00	Yes		
10/7/75	1173016	3892	NA	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
10/7/75	1173016	3892	NA	NA	OIL	Not Determined	8.00	Yes		
10/21/75	1173017	3900	NA	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
10/21/75	1173017	3900	NA	NA	OIL	Not Determined	8.00	Yes		
10/30/75	1173018	3806	NA	NA	TRICHLORETHYLENE	Not Determined	8.00	Yes		
11/26/75	1173019	3819	NA	NA	WASTE SCARLET EASINE	Not Determined	1.00	Yes		
11/26/75	1173019	3819	NA	NA	OIL	Not Determined	7.00	Yes		
12/11/75	1173020	3825	NA	NA	WASTE SCARLET EASINE	Not Determined	2.00	Yes		
12/11/75	1173020	3825	NA	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
12/11/75	1173020	3825	NA	NA	OIL	Not Determined	14.00	Yes		

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1/6/76	1173021	3833	NA	NA	OIL	Not Determined	7.00	Yes		
1/6/76	1173021	3833	NA	NA	TRICHLORETHYLENE	Not Determined	8.00	Yes		
1/13/76	1173022	3837	NA	NA	FREON	Not Determined	1.00	Yes		
1/13/76	1173022	3837	NA	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
1/13/76	1173022	3837	NA	NA	OIL	Not Determined	3.00	Yes		
2/23/76	1173023	9351	NA	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
2/23/76	1173023	9351	NA	NA	WASTE SCARLET EASINE	Not Determined	4.00	Yes		
2/23/76	1173023	9351	NA	NA	OIL	Not Determined	15.00	Yes		
3/12/76	1173024	9353	NA	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
3/12/76	1173024	9353	NA	NA	WASTE SCARLET EASINE	Not Determined	5.00	Yes		
3/12/76	1173024	9353	NA	NA	OIL	Not Determined	14.00	Yes		
4/1/76	1173025	9365	NA	NA	OIL	Not Determined	22.00	Yes		
4/2/76	1173025	9365	NA	NA	OIL	Not Determined	1.00	Yes		
4/2/76	1173025	9365	NA	NA	TRICHLORETHYLENE	Not Determined	9.00	Yes		
4/19/76	1173026	9371	NA	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
4/19/76	1173026	9371	NA	NA	OIL	Not Determined	20.00	Yes		

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4/26/76	11730274	9374	NA	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
4/26/76	11730274	9374	NA	NA	OIL	Not Determined	14.00	Yes		
5/27/76	11730284	9378	NA	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
5/27/76	11730284	9378	NA	NA	OIL	Not Determined	19.00	Yes		
6/18/76	11730294	9389	NA	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
6/18/76	11730294	9389	NA	NA	OIL	Not Determined	18.00	Yes		
7/14/76	11730304	9399	NA	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
7/14/76	11730304	9399	NA	NA	OIL	Not Determined	18.00	Yes		
8/2/76	11730314	9405	NA	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
8/2/76	11730314	9405	NA	NA	WASTE SCARLET EASINE	Not Determined	6.00	Yes		
8/2/76	11730314	9405	NA	NA	OIL	Not Determined	13.00	Yes		
9/8/76	11730324	9416	NA	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
9/8/76	11730324	9416	NA	NA	OIL	Not Determined	15.00	Yes		
9/22/76	11730334	9425	NA	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
9/22/76	11730334	9425	NA	NA	OIL	Not Determined	8.00	Yes		
10/26/76	11730344	9437	NA	NA	WASTE SCARLET EASINE	Not Determined	1.00	Yes		

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10/26/76	1173034	9437	NA	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
10/26/76	1173034	9437	NA	NA	OIL	Not Determined	18.00	Yes		
11/11/76	1173035	9446	NA	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
11/11/76	1173035	9446	NA	NA	OIL	Not Determined	15.00	Yes		
11/17/76	1173036	9447	NA	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
11/17/76	1173036	9447	NA	NA	OIL	Not Determined	10.00	Yes		
2/14/77	1173037	9475	NA	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
2/14/77	1173037	9475	NA	NA	OIL	Not Determined	15.00	Yes		
4/25/77	1173038	3513	NA	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
4/25/77	1173038	3513	NA	NA	OIL	Not Determined	18.00	Yes		
4/27/77	1173039	3515	NA	NA	OIL	Not Determined	7.00	Yes		
6/21/77	1173040	NA	NA	NA	TRICHLORETHYLENE	Not Determined	23.00	Yes		
6/21/77	1173040	NA	NA	NA	OIL	Not Determined	42.00	Yes		
7/15/77	1173043	3549	NA	NA	WASTE SCARLET EASINE	Not Determined	1.00	Yes		
7/15/77	1173043	3549	NA	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
7/15/77	1173043	3549	NA	NA	OIL	Not Determined	18.00	Yes		

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7/18/77	11730449	4851	NA	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
7/18/77	11730446	4851	NA	NA	WASTE SCARLET EASINE	Not Determined	1.00	Yes		
7/18/77	11730445	4851	NA	NA	OIL	Not Determined	7.00	Yes		
6/28/79	11730458	9909	NA	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
6/28/79	11730457	9909	NA	NA	FREON	Not Determined	1.00	Yes		
6/28/79	11730455	9909	NA	NA	WASTES	Not Determined	2.00	Yes		
6/28/79	11730452	9909	NA	NA	DIRTY TRICHLORETHYLENE	Not Determined	8.00	Yes		
6/28/79	11730450	9909	NA	NA	OIL	Not Determined	11.00	Yes		
9/4/79	11730462	9936	NA	NA	FREON	Not Determined	1.00	Yes		
9/4/79	11730460	9936	NA	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
9/4/79	11730458	9936	NA	NA	DIRTY TRICHLORETHYLENE	Not Determined	7.00	Yes		
9/4/79	11730455	9936	NA	NA	OIL	Not Determined	11.00	Yes		
10/4/79	11730473	9653	NA	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
10/4/79	11730470	9653	NA	NA	TRICHLOROETHANE	Not Determined	3.00	Yes		
10/4/79	11730476	9653	NA	NA	OIL	Not Determined	14.00	Yes		
11/1/79	11730482	9669	NA	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		

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11/1/79	11730484	9669	NA	NA	WATER	Not Determined	3.00	Yes		
11/1/79	11730485	9669	NA	NA	FREON	Not Determined	3.00	Yes		
11/1/79	11730486	9669	NA	NA	ALCOHOL	Not Determined	3.00	Yes		
11/1/79	11730487	9669	NA	NA	DIRTY TRICHLORETHYLENE	Not Determined	4.00	Yes		
11/1/79	11730488	9669	NA	NA	OIL	Not Determined	8.00	Yes		
12/10/79	11730491	9690	NA	NA	WESTERN HEEL	Not Determined	1.00	Yes		
12/10/79	11730494	9690	NA	NA	WASTE SCARLET EASINE	Not Determined	2.00	Yes		
12/10/79	11730498	9690	NA	NA	FREON	Not Determined	2.00	Yes		
12/10/79	11730499	9690	NA	NA	OIL	Not Determined	5.00	Yes		
12/10/79	11730500	9690	NA	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		

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8/12/76	14131378	31112		NA	SPENT CHLOROETHANE	Not Determined	50.00	Yes		
8/16/76	12050024	54788		NA	CHLOROETHANE	Material Reclaine	35.14	No		
8/16/76	12050011	54788		NA	CHLOROETHANE	Not Determined	44.00	Yes		
8/24/76	14131341	9411		NA	1,1,1 TRICHLOROETHANE	Not Determined	22.00	Yes		
9/29/77	14131354	4880		NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	20.00	Yes		
9/29/77	14131357	4880		NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	22.00	Yes		
10/7/77	12050031	40144		NA	TRICHLOROETHANE	Not Determined	17.00	Yes		
10/7/77	12050031	40144		NA	TRICHLOROETHANE	Material Reclaine	23.98	No		
10/7/77	12050031	40144		NA	TRICHLOROETHANE	Not Determined	25.00	Yes		
10/30/78	12050043	48927		NA	TRICHLOROETHANE	Not Determined	3.00	Yes		
10/30/78	12050043	48927		NA	TRICHLOROETHANE	Material Reclaine	5.92	No		
10/30/78	12050043	48927		NA	TRICHLOROETHANE	Not Determined	20.00	Yes		
11/5/79	12050043	2161		NA	VG	Not Determined	21.00	Yes		
11/9/79	14131362	2173		NA	WASTE SOLVENT	Not Determined	21.00	Yes		
8/27/80	12050063	9672		NA	TRICHLOROETHANE	Material Reclaine	14.50	No		
8/27/80	12050063	9672		NA	TRICHLOROETHANE	Not Determined	21.00	Yes		

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8/27/80	12050085	9677		NA	TRICHLOROETHANE	Material Reclai...	9.17	No		
8/27/80	12050085	9677		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
8/27/80	12050074	9678		NA	TRICHLOROETHANE	Material Reclai...	14.79	No		
8/27/80	12050074	9678		NA	TRICHLOROETHANE	Not Determined	21.00	Yes		
8/27/80	12050074	9672			CHLORINATED STILL BOTTOMS	Not Determined	3.00	No		
8/27/80	12050074	9677		NA	CHLORINATED STILL BOTTOMS	Not Determined	12.00	No		
8/27/80	12050074	9678		NA	CHLORINATED STILL BOTTOMS	Not Determined	2.00	No		
3/26/81	12050093	63		NA	TRICHLOROETHANE	Material Reclai...	15.38	No		
3/26/81	12050093	63		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
3/26/81	12050104	69		NA	TRICHLOROETHANE	Material Reclai...	16.56	No		
3/26/81	12050104	69		NA	TRICHLOROETHANE	Not Determined	23.00	Yes		
3/26/81	12050093	63		NA	STILL BOTTOMS	Not Determined	8.00	No		
3/26/81	12050104	69		NA	STILL BOTTOMS	Not Determined	6.00	No		

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1/26/81	14131410	129			TRICHLORETHYLENE	Chemclene	6.00	Yes		
6/8/81	14131393	200			WASTE TRICHLORETHANE	Chemclene	8.00	Yes		
7/31/81	12100024	8726		NA	STILL BOTTOMS	Not Determined	4.50	No		
7/31/81	12100024	8726		NA	TCA	Material Reclaine	8.00	Yes		
7/31/81	12100024	8726		NA	TCA, ALCOHOL	Not Determined	10.00	Yes		
7/31/81	12100024	225		NA	WASTE I,I,I	Chemclene	1.00	Yes		
7/31/81	12100024	225		NA	WASTE FREON	Chemclene	2.00	Yes		
10/7/81	14131403	280		PAA 0031414	WASTE I,I,I TRICHLOROETHANE	Chemclene	8.00	Yes		
10/14/81	14131380	3004	8870	na	RECLAIMED I,I,I TRICHLOROETHANE	Not Determined	4.00	No		
1/5/82	12100044	3081		PAA 1094564	TRICHLOROETHANE	Material Reclaine	4.00	No		
1/5/82	12100024	17981		PAA 1094564	TRICHLOROETHANE	Chemclene	6.00	Yes		
3/1/82	12100054	3126		PAA 0129345	TRICHLOROETHANE	Material Reclaine	2.00	No		
3/1/82	12100054	3126		PAA 0129345	TRICHLOROETHANE	Chemclene	4.00	Yes		
4/1/82	12100054	377		PAA 1094726	TRICHLOROETHANE	Chemclene	3.00	Yes		
6/1/82	12100074	414		PAA 4667213	TRICHLOROETHANE	Chemclene	4.00	Yes		
8/3/82	12100081	448		PAA4765084	TRICHLOROETHANE	Not Determined	3.00	Yes		

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10/27/82	1210009	501		PAA 4765412	TRICHLOROETHANE	Chemclene	4.00	Yes		
12/17/82	1210010	525		PAA4765751	TRICHLOROETHANE	Chemclene	3.00	Yes		
3/4/83	1210011	19735		PAA 4766160	TRICHLOROETHANE	Chemclene	3.00	Yes		
5/26/83	1210012	20088		NA	TRICHLOROETHANE	Material Reclai	3.00	No		
5/26/83	1210012	20088		PAA 4766845	TRICHLOROETHANE	Not Determined	5.00	Yes		
6/16/83	1210013	650		PAA 4766985	TRICHLOROETHANE	Chemclene	3.00	Yes		
7/15/83	1210015	676		PAA 4767081	TRICHLOROETHANE	Not Determined	3.00	Yes		
7/15/83	1210014	3641		PAA 4767081	TRICHLOROETHANE	Material Reclai	3.00	No		
8/22/83	1210016	3699		NA	TRICHLOROETHANE	Material Reclai	1.00	No		
8/26/83	1210017	706		PAA4767501	TRICHLOROETHANE	Chemclene	3.00	Yes		
8/30/83	1210018	3707		NA	TRICHLOROETHANE	Chemclene	1.00	Yes		
9/9/83	1210019	716		PAA 4767626	TRICHLOROETHANE	Chemclene	2.00	Yes		
9/13/83	1210020	718		PAA 4767582	FLAMMABLE MATERIAL	Chemclene	1.00	Yes		
9/16/83	1210021	722		PAA 4767556	TRICHLOROETHANE	Chemclene	1.00	Yes		
9/27/83	1210022	728		PAA 4767755	TRICHLOROETHANE	Chemclene	2.00	Yes		
9/27/83	1210023	3735		NA	TRICHLOROETHANE	Material Reclai	2.00	No		

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9/27/83	12100224	728		PAA 4767755	EMPTY DRUMS	Not Determined	2.00	No		
10/7/83	12100253	20610		NA	TRICHLOROETHANE	Material Reclai	1.00	Yes		
10/7/83	12100245	20619		PAA4767921	TRICHLOROETHANE	Not Determined	2.00	No		
10/14/83	12100278	3761		NA	TRICHLOROETHANE	Material Reclai	2.00	No		
10/14/83	12100263	20634		PAA 4767980	TRICHLOROETHANE	Chemclene	1.00	Yes		
10/31/83	12100284	763		PAA4768186	TRICHLOROETHANE	Chemclene	2.00	Yes		
11/4/83	12100291	770		PAA 4768190	TRICHLOROETHANE	Chemclene	1.00	Yes		
11/17/83	12100301	0		PAA 4768330	TRICHLOROETHANE	Chemclene	2.00	Yes		
11/23/83	12100314	0		PAA 4768352	TRICHLOROETHANE	Chemclene	1.00	Yes		
12/20/84	12100332	1194		PAB 00890046	TRICHLOROETHANE	Chemclene	2.00	Yes		
1/7/85	12100346	1203		PAB 00890186	TRICHLOROETHANE	Chemclene	3.00	Yes		
1/15/85	12100352	1212		PAB 00890271	TRICHLOROETHANE	Material Reclai	2.00	No		
1/15/85	12100353	1212		PAB 00890271	OIL	Not Determined	2.00	Yes		
2/5/85	12100363	1237		PAB 00890363	TRICHLOROETHANE	Chemclene	1.00	Yes		
2/21/85	12100374	1245		PAB 00890595	TRICHLOROETHANE	Chemclene	1.00	Yes		
3/14/85	12100381	1277		PAA 00890735	TRICHLOROETHANE	Chemclene	1.00	Yes		

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4/8/85	1210039	1297		PAB 00890982	TRICHLOROETHANE	Chemclene	3.00	Yes		
5/1/85	1210040	1334		PAB 00891214	TRICHLOROETHANE	Chemclene	1.00	Yes		
5/31/85	1210041	1372		NA	TRICHLOROETHANE	Chemclene	1.00	Yes		
7/2/85	1210042	1402		PAB 00891881	TRICHLOROETHANE	Chemclene	1.00	Yes		
8/27/85	1210900	0		PAB 00892253	TRICHLOROETHANE, PAINT AND WATER	Chemclene	1.00	Yes		
8/27/85	1210900	1453		PAB 00892253	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	3.00	Yes		
9/12/85	1210045	1466		PAB 00892555	TRICHLOROETHANE	Chemclene	1.00	Yes		
10/11/85	1210049	1504		PAB 00892323	TRICHLOROETHANE	Chemclene	3.00	Yes		
11/13/85	1210049	1540		PAB 00893071	TRICHLOROETHANE	Chemclene	2.00	Yes		
12/11/85	1210048	1563		PAB 00893152	TRICHLOROETHANE	Chemclene	1.00	Yes		
1/16/86	1210049	23185		PAB 00893480	TRICHLOROETHANE, OIL	Chemclene	1.00	Yes		
1/16/86	1210049	1590		PAB 00893480	WASTE FUEL OIL	Chemclene	1.00	Yes		
2/21/86	1210050	23403		PAB 2262713	OIL	Chemclene	3.00	Yes		
3/19/86	1210051	1664		PAB 2263041	TRICHLOROETHANE	Chemclene	2.00	Yes		
4/1/86	1210052	1683		PAB 2262993	TRICHLOROETHANE	Chemclene	6.00	Yes		
5/12/86	1210053	1737		PAB 2261545	TRICHLOROETHANE	Chemclene	1.00	Yes		

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5/27/86	1210054	1750		PAB 2261663	TRICHLOROETHANE	Chemclene	1.00	Yes		
6/12/86	1210055	1768		PAB 2261825	TRICHLOROETHANE	Chemclene	1.00	Yes		
6/24/86	1210056	1778		PAB 2261895	TRICHLOROETHANE	Chemclene	1.00	Yes		
8/12/86	1210057	1825		PAB 2262293	TRICHLOROETHANE	Chemclene	1.00	Yes		
8/19/86	1210058	4845		NA	TRICHLOROETHANE	Material Reclai	2.00	No		
9/3/86	1210059	1844		PAB 2262433	TRICHLOROETHANE	Chemclene	1.00	Yes		
10/1/86	1210060	1881		PAB 3087416	TRICHLOROETHANE	Chemclene	1.00	Yes		
10/1/86	1210061	4889		NA	TRICHLOROETHANE	Material Reclai	2.00	No		
10/16/86	1210062	1895		PAB 3087151	TRICHLOROETHANE	Chemclene	1.00	Yes		
10/28/86	1210063	1905		PAB 3086985	TRICHLOROETHANE	Chemclene	2.00	Yes		
11/17/86	1210064	1917		PAB 3086915	TRICHLOROETHANE	Chemclene	2.00	Yes		
12/1/86	1210065	1931		PAB 3086683	TRICHLOROETHANE	Chemclene	1.00	Yes		
12/19/86	1210066	1965		PAB 3086576	TRICHLOROETHANE	Chemclene	2.00	Yes		
1/13/87	1210067	4972		NA	TRICHLOROETHANE	Material Reclai	2.00	No		
1/21/87	1210068	1998		PAB 3051576	TRICHLOROETHANE	Chemclene	2.00	Yes		
1/21/87	1210069	4986		NA	TRICHLOROETHANE	Material Reclai	2.00	No		

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1/27/87	1210071	2000		PAB 3051672	TRICHLOROETHANE	Chemclene	1.00	Yes		
2/13/87	1210072	2020		PAB 3051834	TRICHLOROETHANE	Chemclene	1.00	Yes		
2/23/87	1210073	2031		PAB 3051936	TRICHLOROETHANE	Chemclene	1.00	Yes		
3/23/87	1210074	2056		PAB 3050611	TRICHLOROETHANE	Chemclene	2.00	Yes		
3/27/87	1210075	2069		PAB 4769564	TRICHLOROETHANE	Chemclene	1.00	Yes		
4/10/87	1210076	2087		PAB 4769693	TRICHLOROETHANE	Chemclene	1.00	Yes		
4/24/87	1210077	2096		PAB 4769951	TRICHLOROETHANE	Chemclene	1.00	Yes		
4/29/87	1210078	2106		PAB 4769774	TRICHLOROETHANE	Chemclene	1.00	Yes		
5/1/87	1210079	2111		PAB 4769800	TRICHLOROETHANE	Chemclene	2.00	Yes		
5/11/87	1210080	2120		PAB 4770043	TRICHLOROETHANE	Chemclene	1.00	Yes		
6/2/87	1210081	2129		PAB 4770253	TRICHLOROETHANE	Chemclene	3.00	Yes		
6/11/87	1210082	2146		PAB 4770301	TRICHLOROETHANE	Chemclene	2.00	Yes		
6/29/87	1210083	2155		PAB 4770441	TRICHLOROETHANE	Chemclene	1.00	Yes		
7/7/87	1210084	2170		PAB 4770485	TRICHLOROETHANE	Chemclene	1.00	Yes		
7/15/87	1210085	2182		PAB 4769660	TRICHLOROETHANE	Chemclene	1.00	Yes		
8/12/87	1210086	2208		PAB 4770732	TRICHLOROETHANE	Chemclene	1.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

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8/19/87	12100875	2217		PAB 4770824	TRICHLOROETHANE	Chemclene	1.00	Yes		
8/25/87	12100886	2220		PAB 4770846	TRICHLOROETHANE	Chemclene	1.00	Yes		
8/31/87	12100897	2221		PAB 4770861	TRICHLOROETHANE	Chemclene	1.00	Yes		
9/18/87	12100904	2237		PAB 4770953	TRICHLOROETHANE	Chemclene	1.00	Yes		
9/22/87	12100915	2241		PAB 4771115	TRICHLOROETHANE	Chemclene	2.00	Yes		
10/2/87	12100925	5233		NA	TRICHLOROETHANE	Material Reclaine	2.00	No		
10/9/87	12100933	2258		PAB 4771196	TRICHLOROETHANE	Chemclene	2.00	Yes		
10/9/87	12100934	5244		NA	RECLAIMED 1,1,1 TRICHLOROETHANE	Not Determined	2.00	No		
12/9/87	12100958	2328		PAB 5248725	TRICHLOROETHANE	Chemclene	4.00	Yes		
12/9/87	12100963	5295		NA	RECLAIMED 1,1,1 TRICHLOROETHANE	Material Reclaine	2.00	No		
12/18/87	12100973	2344		PAB 5248913	TRICHLOROETHANE	Chemclene	1.00	Yes		
1/8/88	12100982	2368		PAB 5249064	TRICHLOROETHANE	Chemclene	2.00	Yes		
1/20/88	12100993	2383		PAB 5249145	TRICHLOROETHANE	Chemclene	2.00	Yes		
1/27/88	12101003	2384		PAB 5249215	TRICHLOROETHANE	Chemclene	1.00	Yes		
2/9/88	12101015	2393		PAB 5249495	TRICHLOROETHANE	Chemclene	1.00	Yes		
2/26/88	12101033	2411		PAB 5249730	TRICHLOROETHANE	Chemclene	2.00	Yes		

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2/26/88	1210102	5039		NA	TRICHLOROETHANE	Material Reclame	2.00	No			
3/4/88	1210104	2418		PAB 5249473	TRICHLOROETHANE	Chemclene	2.00	Yes			
3/14/88	1210105	2431		PAB 5249613	TRICHLOROETHANE	Chemclene	1.00	Yes			
4/6/88	1210106	2458		PAB 5249646	TRICHLOROETHANE	Chemclene	3.00	Yes			
4/14/88	1210107	2480		PAB 5249904	TRICHLOROETHANE	Chemclene	1.00	Yes			
4/26/88	1210108	2493		PAB 5249985	TRICHLOROETHANE	Chemclene	1.00	Yes			
6/21/88	1210109	2533		PAB 5250151	TRICHLOROETHANE	Chemclene	4.00	Yes			
8/3/88	1210110			PAB 5250361	5 GALLON CAN LIDS	Not Determined	1.00	Yes			
8/3/88	1210110			pab 5250361	EMPTY PAINT CANS	Not Determined	6.81	Yes			
8/3/88	1210110	2569		PAB 5250361	TRICHLOROETHANE, CAN LIDS	Chemclene	1.00	Yes			
8/30/88	1210111	2591		PAB 5726593	TRICHLOROETHANE	Chemclene	3.00	Yes			
10/28/88	1210113	2666		PAB 5726895	TRICHLOROETHANE	Chemclene	6.00	Yes			
10/28/88	1210113	26616		NA	METHYLENE CHLORIDE	Not Determined	1.00	Yes			
1/5/89	1210113	2738		PAB 5911905	TRICHLOROETHANE	Chemclene	7.00	Yes			
1/20/89	1210115	2760		PAB 5911942	TRICHLOROETHANE	Chemclene	1.00	Yes			
2/8/89	1210116	2773		PAB 5912104	TRICHLOROETHANE	Chemclene	3.00	Yes			

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2/16/89	1210117	2785		PAB 5912163	TRICHLOROETHANE, SOLVENT	Chemclene	2.00	Yes		
3/1/89	1210118	2801		PAB 5912196	TRICHLOROETHANE	Chemclene	2.00	Yes		
3/10/89	1210119	5706		NA	TRICHLOROETHANE	Material Reclaine	3.00	No		
3/13/89	1210120	2810		PAB 5912270	TRICHLOROETHANE	Chemclene	2.00	Yes		
3/31/89	1210121	2831		PAB 5912421	TRICHLOROETHANE	Chemclene	2.00	Yes		
4/19/89	1210123	2851		PAB 5910656	TRICHLOROETHANE	Chemclene	1.00	Yes		
5/18/89	1210124	2898		PAB 5910844	TRICHLOROETHANE	Chemclene	3.00	Yes		
5/25/89	1210125	2906		PAB 5910940	TRICHLOROETHANE	Chemclene	3.00	Yes		
6/7/89	1210126	2964		PAB 5911290	TRICHLOROETHANE	Not Determined	2.00	Yes		
6/16/89	1210127	2930		PAB 591150	TRICHLOROETHANE	Chemclene	3.00	Yes		
6/27/89	1210128	2956		PAB 5911242	TRICHLOROETHANE	Chemclene	1.00	Yes		
8/4/89	1210129	2989		PAD 5911430	TRICHLOROETHANE	Chemclene	2.00	Yes		
8/9/89	1210130	2993		PAB 5911496	TRICHLOROETHANE	Chemclene	1.00	Yes		
8/24/89	1210132	3004		PAD 1280171	TRICHLOROETHANE	Chemclene	1.00	Yes		
8/31/89	1210133	3011		PAD1280042	TRICHLOROETHANE	Chemclene	1.00	Yes		
9/13/89	1210134	3028		PAC 1280101	TRICHLOROETHANE	Chemclene	3.00	Yes		

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2/20/75	1216001	3577	NA	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
3/6/75	1216002	3568	5549	NA	TRI	Not Determined	4.00	Yes		
3/6/75	1216002	98	5549	NA	TRICHLORETHYLENE	Material Reclaim	1.60	No		
4/14/75	1216003	3752	NA	NA	DIRTY TRI	Not Determined	5.00	Yes		
9/5/75	1216004	3871	5923	NA	TRI	Not Determined	5.00	Yes		
11/6/75	1216005	3808	5923	NA	TRI	Not Determined	5.00	Yes		
11/6/75	1216005	473	5923	NA	TRICHLORETHYLENE	NOT DETERMINE	6.75	No		
3/25/76	1413024	9362	6181	NA	TRI	NOT DETERMINE	5.00	Yes		
5/24/76	1216006	3842	3842	NA	TRI	Not Determined	6.00	Yes		
5/24/76	1216006	699	3842	NA	TRICHLORETHYLENE	NOT DETERMINE	6.25	No		
8/5/76	1216007	788	6284	NA	TRICHLORETHYLENE	NOT DETERMINE	4.30	No		
8/5/76	1216007	9394	6284	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
11/8/76	1413025	9443	6492	NA	TRI	NOT DETERMINE	5.00	Yes		
1/28/77	1216008	3790	6492	NA	DIRTY TRI	Not Determined	5.00	Yes		
1/28/77	1216008	985	6492	NA	TRICHLORETHYLENE	NOT DETERMINE	2.05	No		
2/23/77	1413026	1013	6523	NA	TRICHLORETHYLENE	NOT DETERMINE	8.64	No		

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2/23/77	[216009]	9474	6523	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
6/14/77	[216010]	1148	6666	NA	TRICHLORETHYLENE	NOT DETERMINE	7.27	No		
6/14/77	[216010]	3506	6666	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
6/14/77	[216010]	3527	6666	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
6/14/77	[216010]	9492	6666	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
7/8/77	[216012]	1174	6695	NA	TRICHLORETHYLENE	NOT DETERMINE	4.29	No		
7/8/77	[216011]	3542	6695	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
8/16/77	[216013]	1221	6743	NA	TRICHLORETHYLENE	NOT DETERMINE	5.46	No		
8/16/77	[216013]	4853	6743	NA	DIRTY TRI	Not Determined	5.00	Yes		
9/21/77	[216014]	1268	6792	NA	TRICHLORETHYLENE	Not Determined	4.77	No		
9/21/77	[216014]	4868	6792	NA	TRI	Material Reclaime	4.00	Yes		
12/23/77	[216015]	3607	6903	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
12/23/77	[216015]	1373	6903	NA	TRICHLORETHYLENE	NOT DETERMINE	8.26	No		
12/23/77	[216015]	4894	6903	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
1/27/78	[216016]	1411	6940	NA	TRICHLORETHYLENE	NOT DETERMINE	6.81	No		
1/27/78	[216016]	3616	6940	NA	DIRTY TRI	Not Determined	9.00	Yes		

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5/9/78	12160172	1533	7076	NA	TRICHLORETHYLENE	NOT DETERMINE	7.14	No		
5/9/78	12160173	3643	7076	NA	DIRTY TRI	Not Determined	7.00	Yes		
6/30/78	12160182	1602	7150	NA	TRICHLORETHYLENE	Not Determined	8.00	Yes		
6/30/78	12160191	4730	7150	NA	TRICHLORETHYLENE	Not Determined	8.00	Yes		
6/30/78	12160204	4732	7150	NA	TRICHLORETHYLENE	NOT DETERMINE	5.00	Yes		
8/7/78	12160215	1637	7188	NA	TRICHLORETHYLENE	NOT DETERMINE	6.32	No		
8/7/78	12160216	4746	7188	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
10/23/78	12160227	1719	7284	NA	TRICHLORETHYLENE	NOT DETERMINE	4.70	No		
10/23/78	12160228	4795	7284	NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
2/21/79	12160239	1844	7423	NA	TRICHLORETHYLENE	NOT DETERMINE	6.85	No		
2/21/79	12160247	4848	7423	NA	TRICHLORETHYLENE	NOT DETERMINE	7.00	Yes		
2/21/79	12160256	4819	7423	NA	TRICHLORETHYLENE	NOT DETERMINE	5.00	Yes		
5/7/79	12160258	1934	7516	NA	TRICHLORETHYLENE	NOT DETERMINE	6.50	No		
5/7/79	12160259	9973	7516	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
6/22/79	12160263	2001	7588	NA	TRICHLORETHYLENE	NOT DETERMINE	4.57	No		
6/22/79	12160269	9992	7588	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		

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12/21/79	12160298	9654	7835	NA	TRICHLORETHYLENE	Not Determined	9.00	Yes		
12/21/79	12160273	9684	7835	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
12/21/79	12160289	9915	7835	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
12/21/79	12160306	2227	7835	NA	TRICHLORETHYLENE	NOT DETERMINE	2.78	No		
1/21/80	12160343	2264	7853	NA	TRICHLORETHYLENE	NOT DETERMINE	2.75	No		
1/21/80	12160332	902	7853	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
3/24/80	12160358	921	7927	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
3/24/80	12160358	921	7927	NA	TRICHLORETHYLENE	NOT DETERMINE	6.80	No		
4/16/80	14130276	08	7958	NA	TRICHLORETHYLENE	CHEMCLENE	6.00	Yes		
4/16/80	14130276	2371	7958	NA	TRICHLORETHYLENE	NOT DETERMINE	1.73	No		
8/7/80	12160321	2494	8091	NA	TRICHLORETHYLENE	NOT DETERMINE	1.82	No		
8/7/80	12160321	42	8091	NA	DIRTY TRICHLORETHYLENE	Chemclene	7.00	Yes		
1/16/81	12160321	123	8334	PAA 0128612	DIRTY TRICHLORETHYLENE	Chemclene	6.00	Yes		
2/10/81	12160384	134	8392	PAA0128822	WASTE TRICHLORETHYLENE	Chemclene	5.00	Yes		
3/9/81	12160403	143	8423	NA	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
3/18/81	12160423	152	8444	NA	TRICHLORETHYLENE	CHEMCLENE	4.00	Yes		

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3/18/81	12160423	2766	8444	NA	TRICHLORETHYLENE	NOT DETERMINE	3.00	No		
3/20/81	12160433	137	8459	NA	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
5/1/81	12160454	182	8560	NA	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
5/11/81	12160471	186	8578	PAA0129102	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
5/11/81	12160483	2831	8577	NA	TRICHLORETHYLENE	NOT DETERMINE	3.00	No		
6/1/81	12160494	196	8610	PAA0129124	WASTE TRICHLORETHYLENE	CHEMCLENE	2.00	Yes		
6/1/81	12160497	2854	8613	NA	TRICHLORETHYLENE	Not Determined	3.00	No		
6/12/81	12160501	203	8637	PAA0129286	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
7/1/81	12160513	217	8671	PAA 0129220	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
8/6/81	12160525	237	8733	PAA 0129463	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
8/6/81	12160534	2930	8734	NA	TRICHLORETHYLENE	NOT DETERMINE	3.00	No		
9/22/81	12160534	269	269	PAA1094030	WASTE TRICHLORETHYLENE	Chemclene	6.00	Yes		
10/7/81	12160563	281	8864	PAA0129231	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
11/4/81	12160573	298	10047	PAA1094170	WASTE TRICHLORETHYLENE	Chemclene	5.00	Yes		
11/16/81	12160584	3038	10065	NA	TRICHLORETHYLENE	NOT DETERMINE	8.40	No		
1/7/82	12160594	326	10158	PAA 1094586	WASTE TRICHLORETHYLENE	Chemclene	6.00	Yes		

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1/25/82	1216060	338	10190	PAA1094601	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
2/15/82	1216061	346	10227	PAA 1094306	WASTE TCE	Chemclene	5.00	Yes		
3/5/82	1216062	359	10228	PAA 1094656	WASTE TRICHLORETHYLENE	Chemclene	5.00	Yes		
4/2/82	1216063	380	10358	PAA 1094730	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
4/30/82	1216064	396	10413	PAA 1094811	TRICHLORETHYLENE	Chemclene	5.00	Yes		
5/25/82	1216065	410	10467	PAA 1094962	WASTE TRICHLORETHYLENE	Chemclene	6.00	Yes		
6/23/82	1216066	425	10521	PAA 4667246	WASTE TRICHLORETHYLENE	Chemclene	5.00	Yes		
8/9/82	1216067	453	10645	PAA 4765073	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
8/26/82	1216068	458	10683	PAA 3283092	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
9/13/82	1216069	465	10713	PAA 4426321	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
10/13/82	1216070	482	10781	PAA 4765283	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
11/17/82	1216071	3397	10874	NA	TRICHLORETHYLENE	NOT DETERMINE	7.72	No		
11/18/82	1216072	514	10875	PAA 4765482	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
12/7/82	1216073	522	10911	PAA 4765666	WASTE TRICHLORETHYLENE	Chemclene	6.00	Yes		
12/7/82	1216074	3412	10909	NA	TRICHLORETHYLENE	NOT DETERMINE	8.87	No		
1/12/83	1216075	537	10970	PAA 4537875	WASTE TRICHLORETHYLENE	Chemclene	5.00	Yes		

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1/19/83	12160783	544	10999	NA	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
3/3/83	12160783	570	11089	PAA 4766171	WASTE TRICHLORETHYLENE	Chemclene	7.00	Yes		
4/18/83	12160791	605	11172	PAA 4766440	WASTE TRICHLORETHYLENE	Chemclene	5.00	Yes		
10/28/83	12160808	761	11641	PAA 4768083	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
11/3/83	12160812	3789	11659	NA	TRICHLORETHYLENE	NOT DETERMINE	6.14	No		
11/9/83	14130284	775	11671	PAA4768260	WASTE TRICHLORETHYLENE	CHEMCLENE	3.00	Yes		
1/26/84	12160823	850	11844	PAA 4768901	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
6/21/84	12160832	1011	12200	PAA 2559314	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
7/23/84	12160844	1038	12267	PAA 2559465	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
10/17/84	12160850	1113	12462	PAB 889151	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
7/2/85	12160864	1404	13035	PAB 891844	WASTE TRICHLORETHYLENE	Chemclene	5.00	Yes		
1/6/86	12160874	1579	13402	PAB 00893373	WASTE TRICHLORETHYLENE	Chemclene	7.00	Yes		
5/9/86	12160884	1736	13668	PAB 2261560	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
9/26/86	12160894	4882	13921	NA	TRICHLORETHYLENE	NOT DETERMINE	10.66	No		
10/1/86	12160904	1882	13930	PAB 3087291	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
2/2/87	12160914	2007	14135	PAB 3051716	WASTE TRICHLORETHYLENE	Chemclene	8.00	Yes		

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4/6/87	12160924	2083	14264	PAB 4769601	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
4/30/87	12160945	14309	NA	NA	TCE	Not Determined	6.00	No		
4/30/87	12160946	14310	NA	NA	WASTE TCE	NOT DETERMINE	1.00	Yes		
4/30/87	12160951	2107	14310	NA	WASTE TRICHLORETHYLENE	CHEMCLENE	1.00	Yes		
11/24/87	12160963	2314	14703	PAB 5248644	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
4/21/88	12160973	14996	NA	NA	TCE	Not Determined	3.00	No		
5/3/88	12160981	15013	NA	NA	TCE	Not Determined	4.50	No		
5/16/88	12160995	2507	15037	PAB 5249753	WASTE TRICHLORETHYLENE	Chemclene	5.00	Yes		
6/1/88	12161000	15037	NA	NA	TCE	Not Determined	5.00	Yes		
9/9/88	12161014	15211	NA	NA	TCE	Not Determined	4.30	No		
10/18/88	12161024	2638	15266	PAB 5726711	WASTE TRICHLORETHYLENE	NOT DETERMINE	3.00	Yes		
11/28/88	12161034	15347	NA	NA	TCE	Not Determined	6.00	No		
11/29/88	12161044	2706	NA	NJA 0391185	WASTE CHROMIC ACID & RAIN WATER	Not Determined	12.00	Yes		
1/23/89	12161054	15434	NA	NA	TCE	Not Determined	6.00	No		
2/10/89	12161064	2779	15456	PAB 5911721	WASTE TRICHLORETHYLENE	NOT DETERMINE	4.00	Yes		
4/4/89	12161074	15549	NA	NA	TCE	Not Determined	3.00	No		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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PRP Name: LaFrance Corp.

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4/6/87	I216092	2083	14264	PAB 4769601	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
4/30/87	I216094	14309	NA	NA	TCE	Not Determined	6.00	No		
4/30/87	I216093	14310	NA	NA	WASTE TCE	NOT DETERMINE	1.00	Yes		
4/30/87	I216095	2107	14310	NA	WASTE TRICHLORETHYLENE	CHEMCLENE	1.00	Yes		
11/24/87	I216096	2314	14703	PAB 5248644	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
4/21/88	I216097	14996	NA	NA	TCE	Not Determined	3.00	No		
5/3/88	I216098	15013	NA	NA	TCE	Not Determined	4.50	No		
5/16/88	I216099	2507	15037	PAB 5249753	WASTE TRICHLORETHYLENE	Chemclene	5.00	Yes		
6/1/88	I216100	15037	NA	NA	TCE	Not Determined	5.00	Yes		
9/9/88	I216101	15211	NA	NA	TCE	Not Determined	4.30	No		
10/18/88	I216102	2638	15266	PAB 5726711	WASTE TRICHLORETHYLENE	NOT DETERMINE	3.00	Yes		
11/28/88	I216103	15347	NA	NA	TCE	Not Determined	6.00	No		
11/29/88	I216104	2706	NA	NJA 0391185	WASTE CHROMIC ACID & RAIN WATER	Not Determined	12.00	Yes		
1/23/89	I216105	15434	NA	NA	TCE	Not Determined	6.00	No		
2/10/89	I216106	2779	15456	PAB 5911721	WASTE TRICHLORETHYLENE	NOT DETERMINE	4.00	Yes		
4/4/89	I216107	15549	NA	NA	TCE	Not Determined	3.00	No		

## **Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

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## Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

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8/20/86	12460011	1834	13854	PAB 3087501	MINERAL SPIRITS & INK	Chemclene	15.00	Yes		
11/25/86	12460023	1934	14032	PAB 3007900	WASTE COMBUSTIBLE LIQUID	NOT DETERMINE	13.00	Yes		
2/12/87	12460035	2019	14164	PAB 3051823	WASTE PETROLEUM NAPHTHA & INK	Chemclene	13.00	Yes		
4/29/87	12460047	2105	14306	PAB 4770006	WASTE PETROLEUM NAPHTHA & INK	Chemclene	20.00	Yes		
8/4/87	12460059	2200	14491	PAB 4770706	WASTE PETROLEUM NAPHTHA	Chemclene	16.00	Yes		
12/18/87	12460061	2343	14754	PAB 5248880	WASTE PETROLEUM NAPHTHA & INK	Chemclene	21.00	Yes		
4/5/88	12460074	2456	14950	PAB 5249720	WASTE PETROLEUM NAPHTHA & INK	Chemclene	23.00	Yes		
7/6/88	12460083	2537	15177	PAB 5250335	WASTE MINERAL SPIRITS & INK	Chemclene	24.00	Yes		
10/17/88	12460095	2637	15261	PAB 57267000	WASTE PETROLEUM NAPHTHA & INK	NOT DETERMINE	16.00	Yes		
1/11/89	12460107	2746	15411	PAB 5925662	WASTE INK AND PETROLEUM NAPHTHA	NOT DETERMINE	21.00	Yes		
3/21/89	12460119	2819	15527	PAB 5912373	WASTE PETROLEUM NAPHTHA & INK	NOT DETERMINE	11.00	Yes		
7/10/89	12460128	2965	15733	PAB 5911286	WASTE MINERAL SPIRITS & INK	NOT DETERMINE	17.00	Yes		
9/22/89	12460137	3044	15909	PAC 1280311	WASTE PETROLEUM NAPHTHA & INK	NOT DETERMINE	12.00	Yes		
12/12/89	12460146	3119	16067	PAC 1280753	WASTE PETROLEUM NAPHTHA & INK	Not Determined	10.00	Yes		
3/13/90	12460155	3211	16223	PAC 1670513	WASTE PETROLEUM NAPHTHA & INK	NOT DETERMINE	16.00	Yes		
5/31/90	12460163	3283	16380	PAC 1670981	WASTE PETROLEUM NAPHTHA & INK	NOT DETERMINE	21.00	Yes		

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	1248196	0		PAB 892754	TRICHLOROETHYLENE, CC 50	Chemclene	3.00	Yes		
1/15/75	1248001	3563		NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
5/19/75	1248002	210		NA	TRICHLORETHYLENE	Not Determined	3.00	No		
5/19/75	1248002	3772		NA	DIRTY TRICHLORETHYLENE	Not Determined	2.00	Yes		
8/25/75	1248003	3866		NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
8/25/75	1248003	359		NA	TRICHLORETHYLENE	Not determined	2.00	No		
1/8/76	1248004	3835		NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
2/11/76	1413127	3843		NA	TRI	Not Determined	2.00	Yes		
6/1/76	1413126	710	6200	NA	RECLAIMED TRICHLORETHYLENE	Not Determined	3.00	No		
6/1/76	1413126	9368	6200	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
7/12/76	1248005	757		NA	TRICHLORETHYLENE	Material Reclaine	3.00	No		
7/12/76	1248005	9397		NA	TRI	Not Determined	3.00	Yes		
10/6/76	1248006	861		NA	TRICHLORETHYLENE	Material Reclaine	3.00	No		
10/6/76	1248006	861		NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
11/1/76	1248007	889		NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
11/1/76	1248007	889		NA	TRICHLORETHYLENE	Material Reclaine	3.00	No		

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1/31/77	1248008	986		NA	TRICHLORETHYLENE	Material Reclai...	3.00	No		
1/31/77	1248008	9449		NA	TRI	Not Determined	1.00	Yes		
1/31/77	1248008	9461		NA	DIRTY TRI	Not Determined	3.00	Yes		
2/22/77	1248009	1009		NA	TRICHLORETHYLENE	Material Reclai...	3.00	No		
2/22/77	1248010	9478		NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
3/30/77	1248012	1056		NA	TRICHLORETHYLENE	Material Reclai...	3.00	No		
3/30/77	1248013	9494		NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
5/16/77	1248013	1115		NA	TRICHLORETHYLENE	Material Reclai...	3.00	No		
5/16/77	1248013	3525		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
5/16/77	1248013	3525		NA	TRICHLORETHYLENE	Material Reclai...	3.17	No		
8/11/77	1248015	1218		NA	TRICHLORETHYLENE	Material Reclai...	3.00	No		
8/11/77	1248015	1218		NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
8/11/77	1248015	4852		NA	RECLAIMED TRICHLORETHYLENE	Not Determined	3.43	No		
9/15/77	1248016	1262		NA	TRICHLORETHYLENE	Material Reclai...	3.00	No		
9/15/77	1248016	1262		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
9/15/77	1248016	4864		NA	RECLAIMED TRICHLORETHYLENE	Not Determined	1.21	No		

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11/11/77	1248018	1330		NA	TRICHLORETHYLENE	Material Reclaine	3.00	No		
11/11/77	1248017	4892		NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
11/11/77	1248018	4892		NA	RECLAIMED TRICHLORETHYLENE	Not Determined	5.05	No		
2/8/78	1248019	3620		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
2/8/78	1248019	3620		NA	TRICHLORETHYLENE	Material Reclaine	3.00	No		
3/8/78	1248021	1456		NA	TRICHLORETHYLENE	Material Reclaine	3.00	No		
3/8/78	1248021	1456		NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
3/8/78	1248021	3614		NA	RECLAIMED TRICHLORETHYLENE	Not Determined	3.64	No		
6/6/78	1248023	4714		NA	TRICHLORETHYLENE	Material Reclaine	3.04	No		
6/6/78	1248023	4714		NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
6/6/78	1248024	4728		NA	TRICHLORETHYLENE	Material Reclaine	3.00	No		
6/6/78	1248024	4728		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
8/21/78	1248026	1649		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
8/21/78	1248026	1649		NA	TRICHLORETHYLENE	Material Reclaine	3.00	No		
8/21/78	1248026	4736		NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
9/18/78	1248027	1685		NA	TRICHLORETHYLENE	Material Reclaine	3.00	No		

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9/18/78	1248027	1685		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
9/18/78	1248027	4760		NA	RECLAIMED TRICHLORETHYLENE	Not Determined	1.82	No		
10/27/78	1248028	1746		NA	TRICHLORETHYLENE	Material Reclai	2.00	No		
10/27/78	1248028	1746		NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
10/27/78	1248028	4776		NA	RECLAIMED TRICHLORETHYLENE	Not Determined	2.62	No		
11/13/78	1413124	1746	7307	Na	RECLAIMED TRICHLORETHYLENE	Not Determined	3.00	No		
11/13/78	1413124	4798	7307	NA	RECLAIMED TRICHLORETHYLENE	Not Determined	1.61	No		
11/13/78	1413124	4798	7307	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
12/14/78	1248029	1774		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
12/14/78	1248029	1774		NA	TRICHLORETHYLENE	Material Reclai	3.00	No		
3/21/79	1248030	1875		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
3/21/79	1248030	1875		NA	TRICHLORETHYLENE	Material Reclai	3.00	No		
3/21/79	1248030	4831		NA	RECLAIMED TRICHLORETHYLENE	Not Determined	2.00	No		
4/16/79	1248031	4806		NA	TRICHLORETHYLENE	Material Reclai	2.64	No		
4/16/79	1248031	4806		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
4/16/79	1248031	9962		NA	TRICHLORETHYLENE	Material Reclai	6.60	No		

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4/16/79	1248033	9962		NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
4/16/79	1248034	9976		NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
4/16/79	1248039	9976		NA	TRICHLORETHYLENE	Material Reclai	2.11	No		
4/16/79	1248039	1911		NA	TRICHLORETHYLENE	Not Determined	3.00	No		
9/19/79	1248038	2097		NA	TRICHLORETHYLENE	Virgin material	3.00	No		
9/19/79	1248039	9905		NA	TRICHLORETHYLENE	Material Reclai	2.11	No		
9/19/79	1248039	9905		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
9/19/79	1248037	9989		NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
1/30/80	1248040	2278		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
1/30/80	1248040	2278		NA	TRICHLORETHYLENE	Material Reclai	3.00	No		
1/30/80	1248040	9673		NA	RECLAIMED TRICHLORETHYLENE	Not Determined	2.00	No		
4/2/80	1248042	7		NA	TRICHLORETHYLENE	Material Reclai	3.37	No		
4/2/80	1248042	7		NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
5/19/80	1248043	26		NA	TRICHLORETHYLENE	Chemclene	2.00	Yes		
8/7/80	1248045	64		NA	TRICHLORETHYLENE	Chemclene	4.00	Yes		
11/13/80	1248046	103		NA	TRICHLORETHYLENE	Chemclene	3.00	Yes		

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12/24/80	1248047	120		NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
1/30/81	1248048	132		NA	TRICHLORETHYLENE	Chemclene	3.00	Yes		
2/27/81	1248049	140		NA	TRICHLOROETHYLENE, CC 50	Not Determined	3.50	Yes		
4/8/81	1248050	165		NA	TRICHLOROETHYLENE, CC 50	Chemclene	3.00	Yes		
4/8/81	1248050	165		NA	WASTE CC-50	Chemclene	1.00	Yes		
6/30/81	1248051	216		PAA 0129253	TRICHLOROETHYLENE, CC 50	Chemclene	6.00	Yes		
8/17/81	1248052	241		PAA 0129242	TRICHLORETHYLENE	Chemclene	2.00	Yes		
9/17/81	1248053	8815		PAA 1094015	TRICHLORETHYLENE	Chemclene	3.00	Yes		
10/29/81	1248054	293		PAA 1094155	TRICHLORETHYLENE	Chemclene	3.00	Yes		
12/4/81	1248055	315		PAA 1094251	TRICHLORETHYLENE	Chemclene	3.00	Yes		
12/4/81	1248056	3055		NA	TRICHLOROETHYLENE, CCS0	Not Determined	3.00	No		
12/4/81	1248057	3055		NA	CC-50 CLEANER	Not Determined	1.00	No		
1/11/82	1248057	3085		NA	CC50	Not Determined	1.00	No		
1/11/82	1248057	3085		NA	TRICHLORETHYLENE	Material Reclaim	3.00	No		
1/13/82	1248058	331		PAA 1094262	TRICHLORETHYLENE	Chemclene	3.00	Yes		
3/5/82	1248059	358		PAA 1094590	TRICHLORETHYLENE	Chemclene	3.00	Yes		

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4/27/82	1248060	390		PAA 1094763	TRICHLOROETHYLENE, CC, NAPA SPIRITS	Chemclene	1.00	Yes		
4/27/82	1248060	390		PAA 1094763	WASTE NAPA SPIRITS	Chemclene	1.00	Yes		
4/27/82	1248060	390		PAA 1094763	WASTE TRICHLOROETHYLENE	Chemclene	4.00	Yes		
5/17/82	1248061	403		PAA 1094645	TRICHLOROETHYLENE	Chemclene	3.00	Yes		
7/21/82	1248062	441		PAA 1094892	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
7/21/82	1248062	441		PAA 1094892	WASTE CC-50 COLD CLEANER	Chemclene	1.00	Yes		
8/30/82	1248063	0		PAA 4667364	TRICHLOROETHYLENE	Chemclene	1.00	Yes		
10/22/82	1248064	491		PAA 4765165	TRICHLOROETHYLENE	Chemclene	2.00	Yes		
1/13/83	1248065			PAA 4765810	WASTE CC-50	Chemclene	1.00	Yes		
1/13/83	1248065	538		PAA 4765810	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
2/15/83	1248066	562		PAA 4765806	TRICHLOROETHYLENE	Chemclene	2.00	Yes		
3/18/83	1248067	582		PAA 4766005	TRICHLOROETHYLENE	Chemclene	2.00	Yes		
4/20/83	1248068	606		PAA 4766241	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
4/20/83	1248068	606		PAA 476241	CC-50	Chemclene	1.00	Yes		
5/23/83	1248069	631		PAA 4766521	TRICHLOROETHYLENE	Chemclene	1.00	Yes		
7/6/83	1248070	671		PAA 4766823	TRICHLOROETHYLENE	Chemclene	2.00	Yes		

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8/15/83	1248071	697		PAA 4767173	TRICHLORETHYLENE	Chemclene	3.00	Yes		
9/6/83	1248073	713		PAA 4767464	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
9/6/83	1248073	713		PAA 767464	WASTE CC-50	Chemclene	1.00	Yes		
9/30/83	1248074	730		PAA 4767604	TRICHLORETHYLENE	Chemclene	1.00	Yes		
10/27/83	1248075	757		PAA 4767803	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
10/27/83	1248075	758		PAA 4767803	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
12/5/83	1248076	801		PAA 4768072	TRICHLORETHYLENE	Chemclene	2.00	Yes		
1/3/84	1248077	0		PAA 4768120	TRICHLOROETHYLENE, CC 50	Not Determined	1.00	Yes		
1/3/84	1248077	823		PAA 4768120	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
2/21/84	1248078	870		PAA 4768606	TRICHLORETHYLENE	Chemclene	3.00	Yes		
4/2/84	1248079	903		PAA 4768691	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
4/2/84	1248079	904		PAA 4768691	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
5/8/84	1248080	959		PAA 4769380	TRICHLORETHYLENE	Chemclene	2.00	Yes		
6/15/84	1248081	996		PAA 4769866	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
6/15/84	1248081	995		PAA 4769866	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
7/16/84	1248003	0		PAA 2559115	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		

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7/16/84	1248900	1029		PAA 2559115	WASTE CC-50	Chemclene	1.00	Yes		
8/22/84	1248084	0		PAA 2559535	TRICHLORETHYLENE	Chemclene	2.00	Yes		
10/4/84	1413125	1105	12436	NA	WASTE CC-50	Chemclene	1.00	Yes		
10/4/84	1413125	1106	12436	NA	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
11/9/84	1248085	0	12526	PAB 00889243	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
11/9/84	1248085	1155	12526	PAB 00889243	WASTE CC-50	Chemclene	1.00	Yes		
12/3/84	1248086	1173		PAB 00889840	TRICHLORETHYLENE	Chemclene	2.00	Yes		
1/31/85	1248901	0		PAB 889663	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
1/31/85	1248901	1231		PAB 00889663	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
3/20/85	1248089	0		PAB 889980	TRICHLORETHYLENE	Chemclene	2.00	Yes		
5/17/85	1248090	0		PAB 890875	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
5/17/85	1248090	1355		PAB 00890875	WASTE CC-50	Chemclene	1.00	Yes		
8/19/85	1248091	0		PAB 890758	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
8/19/85	1248091	1447		PAB 00890750	WASTE CC-50 COLD CLEANER	Chemclene	2.00	Yes		
10/3/85	1248092	0		PAB 892754	CC-50, TRICHLOROETHYLENE	Chemclene	2.00	Yes		
10/3/85	1248092	1490		PAB 00892754	WASTE CC-50	Chemclene	1.00	Yes		

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11/15/85	12480931	0		PAB 892430	TRICHLOROETHYLENE	Chemclene	3.00	Yes		
12/23/85	12480931	0		PAB 893104	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
12/23/85	12480948	1572		PAB 00893104	WASTE TRICHLOROETHYLENE	Chemclene	1.00	Yes		
12/23/85	12480948	4614		NA	TRICHLOROETHYLENE	Not Determined	3.00	No		
2/4/86	12480954	0		PAB 00892695	TRICHLOROETHYLENE	Chemclene	2.00	Yes		
4/1/86	12480961	0		PAB 00892426	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
4/1/86	12480961	1682		PAB 00892426	WASTE CC-50	Chemclene	1.00	Yes		
6/24/86	12480971			PAB 2262982	WASTE TRICHLOROETHYLENE	Chemclene	2.00	Yes		
6/24/86	12480971	0		PAB 2262982	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
8/12/86	12480981	0		PAB 2261906	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
8/12/86	12480981	1823		PAB 2261906	WASTE CC-50	Chemclene	1.00	Yes		
10/22/86	12480991	0		PAB 2262971	TRICHLOROETHYLENE, CC 50	Chemclene	3.00	Yes		
10/22/86	12480991	1903		PAB 2262971	WASTE CC-50	Chemclene	1.00	Yes		
11/7/86	12481011	0		PAB 2261910	TRICHLOROETHYLENE	Chemclene	1.00	Yes		
1/19/87	12481011	0		PAB 3087033	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
1/19/87	12481011	974		PAB 3087033	WASTE TRICHLOROETHYLENE	Chemclene	2.00	Yes		

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3/5/87	1248102	0		PAB 3086646	TRICHLOROETHYLENE, CC 50	Chemclene	3.00	Yes		
3/5/87	1248102	2042		PAB 3086646	WASTE CC-50	Chemclene	1.00	Yes		
4/29/87	1248103	0		PAB 4770010	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
4/29/87	1248103	2104		PAB 4770010	WASTE CC-50	Chemclene	1.00	Yes		
6/17/87	1248104	0		PAB 4769785	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
6/17/87	1248104	2151		PAB 4769785	WASTE CC-50	Chemclene	2.00	Yes		
7/9/87	1248105	0		PAB 4770356	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
7/9/87	1248105	2175		PAB 4770356	WASTE CC-50	Chemclene	1.00	Yes		
8/14/87	1248106	0		PAB 4770500	TRICHLOROETHYLENE	Chemclene	1.00	Yes		
9/14/87	1248107	0		PAB 4771034	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
9/14/87	1248107	2232		PAB 4771034	WASTE TRICHLOROETHYLENE	Chemclene	1.00	Yes		
10/12/87	1413128	2259	14621	PAB 4770990	WASTE CC-50	Chemclene	1.00	Yes		
10/12/87	1413128	2260	14621	PAB 4770990	WASTE TRICHLOROETHYLENE	Chemclene	1.00	Yes		
11/10/87	1248109	0		PAB 4771211	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
11/10/87	1248109	2295		PAB 4771211	WASTE CC-50	Chemclene	1.00	Yes		
12/8/87	1248110	0		PAB 5248810	TRICHLOROETHYLENE	Chemclene	1.00	Yes		

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12/23/87	1248111	0		PAB 4771421	CC 50	Chemclene	1.00	Yes		
1/21/88	1248112	0		PAB 4771432	TRICHLORETHYLENE	Chemclene	1.00	Yes		
2/25/88	1248113	0		PAB 5249160	TRICHLORETHYLENE	Chemclene	1.00	Yes		
2/25/88	1248113	2404		PAB5249160	WASTE CC-50	Chemclene	1.00	Yes		
4/14/88	1248114	0		PAB 5249451	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
4/14/88	1248114	2478		PAB 5249451	WASTE CC-50	Chemclene	1.00	Yes		
7/7/88	1248115	0		PAB 5249893	TRICHLOROETHYLENE, CC 50	Chemclene	4.00	Yes		
7/7/88	1248115	2539		PAB 5249893	WASTE CC-50	Chemclene	1.00	Yes		
8/18/88	1248116	0		PAB 5250453	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
8/18/88	1248116	2584		PAB 5250453	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
10/28/88	1248902	0		PAB 5726523	TRICHLOROETHYLENE, CC 50	Chemclene	2.00	Yes		
10/28/88	1248902	2668		PAB 5726523		Not Determined	1.00	Yes		
11/28/88	1248119	2703		PAB 5248666	TRICHLORETHYLENE	Chemclene	2.00	Yes		
1/4/89	1248120	0		PAB 5726910	TRICHLOROETHYLENE, CC 50	Chemclene	1.00	Yes		
1/4/89	1248120	2738		PAB 5726910	WASTE TRICHLORETHYLENE	Not Determined	1.00	Yes		
2/14/89	1248121	0		PAB 5911894	CC 50	Not Determined	2.00	No		

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2/14/89	1248121	0		PAB 5911894	TRICHLORETHYLENE	Material Reclaine	3.00	No		
2/14/89	1248121	2782		PAB 5911894	WASTE TRICHLORETHYLENE	Not Determined	2.00	Yes		
2/14/89	1248121	2784		PAB 5911894	WASTE PETROLEUM NAPHTHA, PERCHLOROETHYLEN	Not Determined	1.00	Yes		
4/27/89	1248122	0		PAB 5912152	TRICHLOROETHYLENE, CC 50	Chemclene	3.00	Yes		
4/27/89	1248122	2870		PAB 5912152	WASTE CC-50	Not Determined	1.00	Yes		
6/5/89	1248125	2913		PAB 5910726	TRICHLORETHYLENE	Chemclene	1.00	Yes		
6/5/89	1248124	2914		PAB 5910726	PETROLEUM NAPHTHA,PERCHLOROETHANE,MC	Chemclene	1.00	Yes		
6/5/89	1248123	5794		NA	CC-50 CLEANER	Not Determined	2.00	No		
6/7/89	1248126	2962		PAB 5911006	TRICHLORETHYLENE	Chemclene	1.00	Yes		
6/7/89	1248126	2962		PAB 5911006	CC-50 CLEANER	Chemclene	1.00	Yes		
6/7/89	1248127	5823		NA	CC-50 CLEANER	Not Determined	2.00	No		
6/7/89	1248127	5823		NA	TRICHLORETHYLENE	Material Reclaine	3.00	No		
8/8/89	1248128	5848		PAD 5911275	PETROLEUM NAPHTA	Chemclene	2.00	No		
8/8/89	1248128	5848		PAD 5911275	TRICHLORETHYLENE	Chemclene	3.00	No		
8/8/89	1248128	2991		PAA 05911275	WASTE TRICHLORETHYLENE	Not Determined	2.00	Yes		
8/8/89	1248128	2992		PAA 5911275	WASTE PETROLEUM NAPHTA	Not Determined	1.00	Yes		

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9/27/89	12481314	3049		PAB 5911485	TRICHLORETHYLENE	Chemclene	1.00	Yes		
9/27/89	12481305	3050		PAB 5911485	CC-50 CLEANER	Chemclene	1.00	Yes		
9/27/89	12481295	5929		NA	CC-50	Not Determined	2.00	No		
9/27/89	12481295	5929		NA	TRICHLOROETHANE	Material Reclaime	3.00	No		
12/1/89	12481321	3114		PAC 1280112	CC-50 CLEANER	Chemclene	1.00	Yes		
12/1/89	12481321	3114		PAC 1280112	TRICHLORETHYLENE	Chemclene	3.00	Yes		
12/1/89	12481338	5998		NA	CC-50 CLEANER	Not Determined	2.00	No		
12/1/89	12481344	5998		NA	TRICHLORETHYLENE	Material Reclaime	3.00	No		
1/3/90	12481362	3139		PAB 5726921	PETROLEUM NAPHTA,PERCHLOROETHANE,MC	Chemclene	1.00	Yes		
1/3/90	12481374	3140		PAB 5726921	TRICHLORETHYLENE	Chemclene	1.00	Yes		
1/3/90	12481359	6826		NA	CC-50 CLEANER	Not Determined	2.00	No		
2/1/90	12481387	3168		NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
2/1/90	12481387	3168		PAC 1280893	CC-50 CLEANER	Chemclene	1.00	Yes		
2/1/90	12481392	6848		NA	CC-50 CLEANER	Not Determined	2.00	No		
3/6/90	12481403	3195		PAC 1671283	CC-50 CLEANER	Chemclene	1.00	Yes		
3/6/90	12481403	3195		PAC 1671283	TRICHLORETHYLENE	Chemclene	2.00	Yes		

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3/6/90	1248141	6875		NA	TRICHLOROETHYLENE, CCS0 CLEANER	Not Determined	3.00	No		
3/6/90	1248141	6875		NA	CC-50	Not Determined	2.00	No		
3/10/90	1248142	6904		NA	CC-50 CLEANER	Not Determined	2.00	No		
4/10/90	1248143	3238		PAC 1671504	CC-50 CLEANER	Chemclene	1.00	Yes		
4/10/90	1248144	3239		PAC 1671504	TRICHLORETHYLENE	Chemclene	1.00	Yes		
5/24/90	1248145	3273		PAC 1670712	CC-50 CLEANER	Chemclene	1.00	Yes		
5/24/90	1248147	3274		PAC 1670712	TRICHLORETHYLENE	Chemclene	1.00	Yes		
5/24/90	1248148	6939		NA	CC-50 CLEANER	Not Determined	2.00	No		
5/24/90	1248149	6939		NA	TRICHLORETHYLENE	Material Reclaim	3.00	No		
7/18/90	1248151	3328		PAC 1670922	TRICHLORETHYLENE	Chemclene	1.00	Yes		
7/18/90	1248152	3329		PAC 1670922	CC-50 CLEANER	Chemclene	1.00	Yes		
7/18/90	1248153	3357		PAC 2937045	CC-50 CLEANER	Chemclene	1.00	Yes		
7/18/90	1248154	6979		NA	CC-50 CLEANER	Not Determined	2.00	No		
7/18/90	1248155	6979		NA	TRICHLORETHYLENE	Not Determined	3.00	No		
8/22/90	1248156	3358		PAC 2937045	TRICHLORETHYLENE	Chemclene	2.00	Yes		
8/22/90	1248157	7017		NA	CC-50 CLEANER	Not Determined	2.00	No		

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9/24/90	1248155	3383		PAC 2937023	TRICHLORETHYLENE	Chemclene	1.00	Yes		
9/24/90	1248154	7032		NA	TRICHLORETHYLENE	Material Reclaiame	1.00	No		
9/24/90	1248154	7032		NA	CC-50 CLEANER	Not Determined	2.00	No		
10/4/90	1248156	7042		NA	TRICHLORETHYLENE	Material Reclaiame	1.00	No		
12/4/90	1248158	3423		PAC 2937480	CC-50 CLEANER	Not Determined	3.00	Yes		
12/4/90	1248159	7082		PAC 2937480	TRICHLORETHYLENE	Material Reclaiame	3.00	No		
2/12/91	1248160	7135		PAC 2937771	CC-50 CLEANER	Chemclene	1.00	Yes		
2/12/91	1248160	7135		PAC 2937771	TRICHLORETHYLENE	Chemclene	2.00	Yes		
2/12/91	1248160	7135		PAC 2937771	CC-50 CLEANER	Not Determined	2.00	No		
2/12/91	1248160	7135		PAC 2937771	TRICHLORETHYLENE	Material Reclaiame	3.00	No		
5/7/91	1248161	7195		PAC 2938460	CC-50 CLEANER	Chemclene	1.00	Yes		
5/7/91	1248161	7195		PAC 2938460	TRICHLORETHYLENE	Chemclene	2.00	Yes		
5/7/91	1248161	7195		PAC 2938460	CC-50 CLEANER	Chemclene	2.00	No		
5/7/91	1248161	7195		PAC 2938460	TRICHLORETHYLENE	Material Reclaiame	3.00	No		
7/29/91	1248164	3572		PAC 1787030	NEW TRICHLOROETHYLENE	Material Reclaiame	3.00	No		
7/29/91	1248162	3583		PAC 1787030	CC-50 CLEANER	Chemclene	1.00	Yes		

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7/29/91	1248165	3584		PAC 1787030	TRICHLORETHYLENE	Chemclene	2.00	Yes		
7/29/91	1248163	5890		PAC 1787030	NEW CC-50 CLEANER	Chemclene	3.00	No		
11/14/91	1248167	3659		PAC 4868780	CC-50 CLEANER	Not Determined	2.00	Yes		
11/14/91	1248168	6253		PAC 4868780	TRICHLORETHYLENE	Chemclene	2.00	Yes		
11/14/91	1248169	6253		PAC 4868780	CC-50	Chemclene	3.00	No		
11/14/91	1248169	7348		PAC 4868780	TRICHLORETHYLENE	Material Reclaiame	3.00	No		
3/2/92	1248170	6011		PAC 1789864	CC-50 CLEANER	Not Determined	1.00	No		
3/2/92	1248170	6011		PAC 1789864	CC-50 CLEANER	Chemclene	1.00	Yes		
3/10/92	1248171	6015		NA	MINERAL SPIRITS	Not Determined	0.09	Yes		
3/18/92	1248172	3755		PAC 1789933	CC-50 COLD CLEANING SOLVENT	Chemclene	1.00	Yes		
3/18/92	1248172	3755		PAC 1789933	TRICHLORETHYLENE	Chemclene	3.00	Yes		
3/18/92	1248173	6023		PAC 1789933	TRICHLORETHYLENE	Material Reclaiame	1.00	No		
4/20/92	1248175	3785		PAC 6119691	TRICHLORETHYLENE	Chemclene	1.00	Yes		
4/20/92	1248174	6050		PAC 6119691	MINERAL SPIRITS	Material Sold	1.00	No		
5/4/92	1248176	6066		NA	TRICHLORETHYLENE	Not Determined	1.00	No		
6/16/92	1248177	3823		PAC 6119676	CC-50 CLEANER	Chemclene	1.00	Yes		

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6/16/92	1248179	3824		PAC 6119676	TRICHLORETHYLENE	Chemclene	1.00	Yes		
6/16/92	1248178	6110		PAC 6119676	MINERAL SPIRITS	Not Determined	2.00	No		
6/29/92	1248180	6114		NA	TRICHLORETHYLENE	Material Reclaime	2.00	No		
8/6/92	1248181	6148		NA	TRICHLORETHYLENE	Material Reclaime	1.00	No		
8/6/92	1248181	6148		NA	MINERAL SPIRITS	Not Determined	1.00	No		
9/21/92	1248182	6176		NA	MINERAL SPIRITS	Not Determined	2.00	No		
11/20/92	1248183	6232		NA	TRICHLORETHYLENE	Material Reclaime	1.00	No		
12/1/92	1248184	3914		NJA 1496788	MINERAL SPIRITS	Not Determined	1.00	Yes		
12/1/92	1248185	3915		NJA 1496788	TRICHLORETHYLENE	Not Determined	1.00	Yes		
1/27/93	1248187	3944		NJA 1560665	TRICHLORETHYLENE	Not Determined	1.00	Yes		
1/27/93	1248188	6279		NJA 1560665	TRICHLORETHYLENE	Material Reclaime	1.00	No		
1/27/93	1248188	3945		NJA 1560665	WASTE PETROLEUM NAPHTA	Not Determined	1.00	Yes		
3/16/93	1248189	6315		NA	MINERAL SPIRITS	Not Determined	1.00	No		
3/16/93	1248189	6315		NA	TRICHLORETHYLENE	Material Reclaime	1.00	No		
4/13/93	1248190	3978		NJA 1560693	MINERAL SPIRITS	Not Determined	1.00	Yes		
4/13/93	1248191	3979		NJA 1560693	TRICHLORETHYLENE	Not Determined	1.00	Yes		

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4/3/75	12950015	152	5596	NA	1,1,1 TRICHLOROETHANE	Not Determined	24.00	No		
4/3/75	12950012	3553	5596	NA	DIRTY 1-1-1	Not Determined	9.00	Yes		
9/7/76	12950023	826	6322	NA	1,1,1 TRICHLOROETHANE	Not Determined	26.00	No		
9/7/76	12950025	9932	6322	NA	1-1-1	Not Determined	14.00	Yes		
11/4/76	12950037	891	6396	NA	1,1,1 TRICHLOROETHANE	Not Determined	9.00	Yes		
11/4/76	12950031	891	6396	NA	1,1,1 TRICHLOROETHANE	Not Determined	28.19	No		
11/14/76	12959001		6409	NA	1,1,1 TRICHLOROETHANE	Not Determined	27.82	No		
11/14/76	12959001	1132	6409	NA	1,1,1 TRICHLOROETHANE	Not Determined	26.36	No		
11/14/76	12959001	3882	6409	NA	1,1,1 TRICHLOROETHANE	Not Determined	20.00	Yes		
5/27/77	12950061	9472	6649	NA	1,1,1 TRICHLOROETHANE	Not Determined	8.24	No		
5/27/77	12950061	9472	6649	NA	1,1,1 TRICHLOROETHANE	Not Determined	10.00	Yes		
7/6/77	12950081	1173	6694	NA	1,1,1 TRICHLOROETHANE	Not Determined	13.82	No		
7/6/77	12950071	3536	6694	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.00	Yes		
7/6/77	12950071	3536	6694	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.66	No		
8/22/77	12950091	4865	6784	NA	1,1,1 TRICHLOROETHANE	Not Determined	8.00	Yes		
9/14/77	12950101	1260	6784	NA	1,1,1 TRICHLOROETHANE	Not Determined	16.12	No		

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9/14/77	1295010	4865	6784	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.87	No		
12/1/77	1295012	1348	6882	NA	1,1,1 TRICHLOROETHANE	Not Determined	12.55	No		
12/1/77	1295013	4895	6882	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.00	Yes		
12/1/77	1295014	4895	6882	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.98	No		
6/28/78	1295013	1597	7145	NA	1,1,1 TRICHLOROETHANE	Not Determined	8.00	Yes		
6/28/78	1295013	1597	7145	NA	1,1,1 TRICHLOROETHANE	Not Determined	24.93	No		
6/28/78	1295013	4722	7145	NA	1,1,1 TRICHLOROETHANE	Not Determined	4.34	No		
6/28/78	1295013	4722	7145	NA	1,1,1 TRICHLOROETHANE	Not Determined	8.00	Yes		
9/21/78	1295014	1689	7247	NA	1,1,1 TRICHLOROETHANE	Not Determined	17.64	No		
9/21/78	1295014	4770	7247	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.83	No		
9/21/78	1295014	4770	7247	NA	1,1,1 TRICHLOROETHANE	Not Determined	17.00	Yes		
12/28/78	1413109	1792	7359	NA	RECLAIMED 1,1,1 TRICHLOROETHANE	Not Determined	8.00	No		
4/24/79	1295015	1916	7496	NA	TRICHLORETHYLENE	Not Determined	45.57	No		
4/24/79	1295015	4823	7496	NA	1,1,1 TRICHLOROETHANE	Not Determined	7.34	No		
4/24/79	1295015	4823	7496	NA	1,1,1 TRICHLOROETHANE	Not Determined	12.00	Yes		
8/10/79	1413104	2049		NA	DIRTY TRI	Not Determined	22.00	Yes		

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12/7/79	12950164	2205		NA	WASTE SOLVENT	Not Determined	16.00	Yes		
6/19/80	12950231	1	8018	NA	TRICHLORETHYLENE	Not Determined	14.00	No		
6/19/80	12950201	1	8018	NA	TRICHLORETHYLENE	Not Determined	17.00	Yes		
6/19/80	12950211	14	8018	NA	TRICHLORETHYLENE	Not Determined	5.55	No		
6/19/80	12950211	14	8018	NA	DIRTY TRICHLORETHYLENE	Chemclene	8.00	Yes		
6/19/80	12950243	931	8018	NA	TRICHLORETHYLENE	Not Determined	12.10	No		
6/19/80	12950181	931	8018	NA	TRICHLORETHYLENE	Not Determined	19.58	Yes		
6/19/80	12950171	9680	8018	NA	1,1,1 TRICHLOROETHANE	Not Determined	7.00	Yes		
6/19/80	12950221	9926	8018	NA	TRICHLORETHYLENE	Not Determined	10.23	No		
6/19/80	12950191	9926	8018	NA	TRICHLORETHYLENE	Not Determined	13.00	Yes		
6/19/80	12950171	9680	8018	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.95	No		
6/19/80	12950171	9680	8018	NA	TRICHLORETHYLENE	Not Determined	4.84	No		
6/19/80	12950171	9680	8018	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
6/30/80	12950251	48		NA	TRICHLORETHYLENE	Chemclene	27.27	Yes		
10/28/80	12950261	31	8215	NA	TRICHLORETHYLENE	Not Determined	9.95	No		
10/28/80	12950291	31	8215	NA	TRICHLORETHYLENE	Chemclene	14.00	Yes		

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10/28/80	1295028	35	8214	NA	TRICHLORETHYLENE	Not Determined	7.12	No		
10/28/80	1295028	35	8214	NA	TRICHLORETHYLENE	Chemclene	11.00	Yes		
10/28/80	12950278	53	8216	NA	TRICHLORETHYLENE	Not Determined	16.12	No		
10/28/80	12950301	53	8216	NA	TRICHLORETHYLENE	Not Determined	18.18	Yes		
11/3/80	12950325	89	8219	NA	TRICHLORETHYLENE	Not Determined	6.46	No		
11/3/80	12950325	89	8219	NA	TRICHLORETHYLENE	Chemclene	9.00	Yes		
11/3/80	12950319	98	8275	NA	TRICHLOR	Chemclene	13.00	Yes		
11/28/80	12950338	93	8274	NA	WASTE TRICHLORETHYLENE	Chemclene	36.36	Yes		
1/16/81	12950341	125	8338	PAA0111661	WASTE TRICHLORETHYLENE	Chemclene	9.09	Yes		
3/23/81	12950355	156	8461	PAA0057746	WASTE TRICHLORETHYLENE	Chemclene	14.00	Yes		
4/6/81	1415108	2789	8484	NA	TRICHLORETHYLENE	Not Determined	21.68	No		
4/18/81	12950367	168	8507	PAA0040725	WASTE	Not Determined	51.09	Yes		
4/21/81	1313107	2804	8511	NA	TRICHLORETHYLENE	Not Determined	48.00	No		
4/24/81	12950383	173	8524	PAA0129032	TRICHLOROETHANE	Not Determined	13.00	Yes		
9/16/81	12950391	265	8805	PAA0057772	TRICHLORETHYLENE	Chemclene	17.00	Yes		
12/23/81	12950401	324	10136	PAA 4743863	TRICHLORETHYLENE	Chemclene	48.18	Yes		

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5/20/82	12990014	400	10449	PAA1094866	WASTE ETHANOL	Chemclene	1.00	Yes		
5/20/82	12990014	400	10449	PAA1094866	WASTE MINERAL SPIRITS	Chemclene	15.00	Yes		
1/4/83	12990014	828	11794	NA	WASTE WATER SOLUBLE OIL	Chemclene	1.00	Yes		
1/4/83	12990014	829	11794	NA	WASTE PETROLEUM NAPHTHA	Chemclene	2.00	Yes		
1/4/83	12990014	830	11794	NA	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
3/25/83	12990051	587	11132	PAA4766285	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
3/25/83	12990051	587	11132	PAA4766285	WASTE PETROLEUM NAPHTHA	Chemclene	5.00	Yes		
6/23/83	12990063	657	11328	PAA4767066	WASTE ETHANOL	Chemclene	2.00	Yes		
6/23/83	12990063	657	11328	PAA4767066	WASTE PETROLEUM NAPHTHA	Chemclene	3.00	Yes		
6/23/83	12990063	657	11328	PAA4767044	WASTE WATER SOLUBLE OIL	Chemclene	7.00	Yes		
9/23/83	12990071	724	11556	PAA4767711	WASTE ETHANOL	Chemclene	1.00	Yes		
9/23/83	12990071	724	11556	PAA4767711	WASTE PETROLEUM NAPHTHA	Chemclene	2.00	Yes		
9/23/83	12990071	724	11556	PAA4767711	WASTE WATER SOLUBLE OIL	Chemclene	4.00	Yes		
1/31/84	12990085	853	11853	PAA 4768956	WASTE WATER SOLUBLE OIL	Chemclene	3.00	Yes		
2/9/84	12990104	3251	NA		WASTE CUTTING OIL	Not Determined	3.00	Yes		
2/9/84	12990095	3252	NA		WASTE CUTTING OIL	Not Determined	1.00	Yes		

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4/12/84	1299011	921	12028	PAA 4769520	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
4/12/84	1299011	922	12028	PAA 4769520	WASTE ETHYL ALCOHOL	Chemclene	1.00	Yes		
4/18/84	1299012	928	12046	PAA 4769531	WASTE WATER SOLUBLE OIL	Not Determined	4.00	Yes		
6/27/84	1299013	1014	12213	PAA 2559336	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
7/16/84	1299014	1027	12249	PAA 2559410	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
9/20/84	1299015	1086	12410	PAB 00889044	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
9/20/84	1299015	1087	12410	PAB 00889044	WASTE PETROLEUM NAPHTHA	Chemclene	3.00	Yes		
9/20/84	1299015	1088	12410	PAB 00889044	WASTE WATER SOLUBLE OIL	Not Determined	2.00	Yes		
10/15/84	1299017	4407		PAB 00889044	WASTE WATER SOLUBLE OIL	Not Determined	2.00	Yes		
12/18/84	1299021	1189	12606	PAB 00889991	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
12/18/84	1299021	1190	12606	PAB 00889991	WASTE PETROLEUM NAPHTHA	Chemclene	1.00	Yes		
12/18/84	1299021	1191	12606	PAB 00889991	WASTE WATER SOLUBLE OIL	Chemclene	2.00	Yes		
1/31/85	1299031	1232	12691	PAB 00890514	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
1/31/85	1299031	1233	12691	PAB 00890574	WASTE PETROLEUM NAPHTHA	Chemclene	1.00	Yes		
1/31/85	1299031	1234	12691	PAB 00890574	WASTE ETHYL ALCOHOL	Chemclene	1.00	Yes		
5/3/85	1299041	1341	12907	PAB 00891284	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		

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5/3/85	12999044	1342	12907	PAB 00891284	WASTE WATER SOLUBLE OIL	Not Determined	1.00	Yes		
7/25/85	12999051	1420	13081	PAB 00892091	WASTE TRICLORETHYLENE	Chemclene	2.00	Yes		
7/25/85	12999051	1421	13081	PAB 00892091	WASTE PETROLEUM NAPHTHA	Chemclene	2.00	Yes		
7/25/85	12999051	1422	13081	PAB 00892091	WASTE WATER SOLUBLE OIL	Not Determined	4.00	Yes		
11/25/85	12999061	1549	13334	PAB 00893141	WASTE PETROLEUM NAPHTHA	Chemclene	3.00	Yes		
11/25/85	12999061	1550	13334	PAB 00893141	WASTE METHYL ETHYL KETONE	Chemclene	1.00	Yes		
11/25/85	12999061	1551	13334	PAB 00893141	WASTE ETHYL ALCOHOL	Chemclene	1.00	Yes		
11/25/85	12999061	1552	13334	PAB 00893141	WASTE 1,1,1 TRICLORETHANE AND ISOPROPAL A	Chemclene	1.00	Yes		
11/25/85	12999061	1553	13334	PAB 00893141	WASTE WATER SOLUBLE OIL	Not Determined	2.00	Yes		
4/3/86	12999071	1686	13593	PAB 2263026	WASTE TRICLORETHYLENE	Chemclene	1.00	Yes		
4/3/86	12999071	1687	13593	PAB 2263026	WASTE PETROLEUM NAPHTHA	Chemclene	1.00	Yes		
4/3/86	12999071	1688	13593	PAB 2263026	WASTE WATER SOLUBLE OIL	Chemclene	3.00	Yes		
4/21/86	12999071	6216		PAB 2263332	WASTE WATER SOLUBLE OIL	Not Determined	3.00	Yes		
9/16/86	12999081	1857	13934	PAB 3087394	WASTE WATER SOLUBLE OIL	Chemclene	4.00	Yes		
9/16/86	12999081	1858	13905	PAB 3087394	WASTE PETROLEUM NAPHTHA	Chemclene	2.00	Yes		
9/16/86	12999081	1859	13905	PAB 3087394	WASTE ETHYL ALCOHOL	Chemclene	1.00	Yes		

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1/19/87	12999098	1978	14104	PAB 3086624	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
1/19/87	12999099	1979	14104	PAB 3086624	WASTE PETROLEUM NAPHTHA	Chemclene	2.00	Yes		
1/19/87	12999099	1980	14104	PAB 3086624	WASTE ALCOHOL	Chemclene	1.00	Yes		
1/19/87	12990443	1981	14104	PAB 3086635	WASTE WATER SOLUBLE OIL	Chemclene	1.00	Yes		
6/4/87	12990468	2142	14390	PAB 4770264	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
6/4/87	12990468	2143	14390	PAB 4770264	WASTE PETROLEUM NAPHTHA	Chemclene	2.00	Yes		
6/4/87	12990468	2144	14390	PAB 4770264	WASTE WATER SOLUBLE OIL	Chemclene	4.00	Yes		
6/8/87	12990473	7032	NA		NON HAZARDOUS WASTE OIL	Not Determined	4.00	Yes		
9/22/87	12990483	2245	14587	PAB 4771104	WASTE WATER SOLUBLE OIL	Chemclene	3.00	Yes		
9/22/87	12990483	2246	14587	PAB 4771104	WASTE PETROLEUM NAPHTHA	Chemclene	2.00	Yes		
9/22/87	12990483	2247	14587	PAB 4771104	WASTE ETHYL ALCOHOL	Chemclene	1.00	Yes		
9/22/87	12990483	2248	14587	PAB 4771104	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
12/23/87	12999105	2354	14765	PAB 5248961	WASTE PETROLEUM NAPHTHA	Chemclene	1.00	Yes		
12/23/87	12999105	2355	14765	PAB 5248961	WASTE ETHYL ALCOHOL	Chemclene	1.00	Yes		
12/23/87	12999105	2356	14765	PAB 5248961	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
1/5/88	12999052	2363	14778	PAB 5249016	WASTE WATER SOLUBLE OIL	Chemclene	2.00	Yes		

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3/10/88 1299911	2427	14906	PAB 5249591	WASTE PETROLEUM NAPHTHA	Chemclene	1.00	Yes		
3/10/88 1299911	2428	14906	PAB 5249591	WASTE WATER SOLUBLE OIL	Chemclene	2.00	Yes		
7/18/88 1299057	2546	15135	PAB 5250475	WASTE ETHYL ALCOHOL	Not Determined	1.00	Yes		
7/18/88 1299056	2547	15135	PAB 5250475	WASTE FREON AND ISOPROPONAL	Not Determined	0.27	Yes		
7/18/88 1299057	2548	15135	PAB 5250475	WASTE PETROLEUM NAPHTHA	Not Determined	2.00	Yes		
7/18/88 1299057	2549	15135	PAB 5250475	WASTE TRICHLORETHYLENE	Not Determined	3.00	Yes		
7/18/88 1299057	2553	15135	PAB 5250475	WASTE WATER SOLUBLE OIL	Not Determined	5.00	Yes		
10/24/88 1299912	2661	15288	PAB 5726991	WASTE TRICHLORETHYLENE	Not Determined	2.00	Yes		
10/24/88 1299912	2662	15288	PAB 5726991	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		
10/24/88 1299912	2663	15288	PAB 5726991	WASTE WATER SOLUBLE OIL	Not Determined	4.00	Yes		
1/10/89 1299913	2740	15408	PAB 5911920	WASTE TRICHLORETHYLENE	Not Determined	1.00	Yes		
1/10/89 1299913	2741	15408	PAB 5911920	WASTE WATER SOLUBLE OIL	Not Determined	1.00	Yes		
1/10/89 1299913	2742	15408	PAB 5911920	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		
1/10/89 1299913	2743	15408	PAB 5911920	WASTE ALCOHOL	Not Determined	1.00	Yes		
4/7/89 1299914	2842	15561	PAB 5910553	WASTE WATER SOLUBLE OIL	Not Determined	2.00	Yes		
4/7/89 1299914	2843	15561	PAB 5910553	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		

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4/7/89	1299914	2844	15561	PAB 5910553	WASTE TRICHLORETHYLENE	Not Determined	2.00	Yes		
6/22/89	1299915	2947	15707	PAB 5911194	WASTE TRICHLORETHYLENE	Not Determined	1.00	Yes		
6/22/89	1299915	2948	15707	PAB 5911194	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		
6/22/89	1299915	2949	15707	PAB 5911194	WASTE ETHYL ALCOHOL	Not Determined	1.00	Yes		
6/22/89	1299915	2950	15707	PAB 5911194	WASTE WATER SOLUBLE OIL	Not Determined	1.00	Yes		
9/15/89	1299916	3030	15887	PAC 1280226	WASTE TRICHLORETHYLENE	Not Determined	2.00	Yes		
9/15/89	1299916	3031	15887	PAC 1280226	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		
9/15/89	1299916	3032	15887	PAC 1280226	WASTE WATER SOLUBLE OIL	Not Determined	1.00	Yes		
9/21/89	1299917	3042	15907	PAC 1280322	WASTE WATER SOLUBLE OIL	Not Determined	1.00	Yes		
12/12/89	1299917	3120	16069	PAC 1280764	WASTE WATER SOLUBLE OIL	Not Determined	1.00	Yes		
12/12/89	1299917	3121	16069	PAC 1280764	WASTE TRICHLORETHYLENE	Not Determined	1.00	Yes		
12/12/89	1299917	3122	16069	PAC 1280764	WASTE ETHYL ALCOHOL	Not Determined	1.00	Yes		
12/12/89	1299917	3123	16069	PAC 1280764	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		
3/19/90	1299918	3215	16232	PAC 1670561	WASTE TRICHLORETHYLENE	Not Determined	3.00	Yes		
3/19/90	1299918	3216	16232	PAC 1670561	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		
3/19/90	1299918	3217	16232	PAC 1670561	WASTE WATER SOLUBLE OIL	Not Determined	1.00	Yes		

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6/18/90	12999194	3298	16416	PAC 1671062	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		
6/18/90	12999194	3299	16416	PAC 1671062	WASTE ETHYL ALCOHOL	Not Determined	1.00	Yes		
6/18/90	12999194	3300	16416	PAC 1671062	WASTE WATER SOLUBLE OIL	Not Determined	1.00	Yes		
7/27/90	12999203	3335	16491	PAC 2937104	WASTE WATER SOLUBLE OIL	Not Determined	2.00	Yes		
7/27/90	12999204	3336	16491	PAC 2937104	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		
7/27/90	12999204	3337	16491	PAC 2937104	WASTE TRICHLORETHYLENE	Not Determined	1.00	Yes		
10/11/90	12999213	3390	16639	PAC 2937524	WASTE ETHYL ALCOHOL	Not Determined	1.00	Yes		
10/11/90	12999213	3391	16639	PAC 2937524	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		
10/11/90	12999213	3392	16639	PAC 2937524	WASTE WATER SOLUBLE OIL	Not Determined	2.00	Yes		
12/4/90	12999221	3425	16728	PAC 2937782	WASTE TRICHLORETHYLENE	Not Determined	1.00	Yes		
12/4/90	12999221	3426	16728	PAC 2937782	WASTE WATER SOLUBLE OIL	Not Determined	1.00	Yes		
3/12/91	12999231	3496	16885	PAC 2938202	WASTE WATER SOLUBLE OIL	Not Determined	2.00	Yes		
3/12/91	12999231	3497	16885	PAC 2938202	WASTE PETROLEUM NAPHTHA	Not Determined	2.00	Yes		
3/12/91	12999231	3498	16885	PAC 2938202	WASTE ETHYL ALCOHOL	Not Determined	1.00	Yes		
6/17/91	12999241	3555	17012	PAC 2938703	WASTE TRICHLORETHYLENE	Not Determined	1.00	Yes		
6/17/91	12999241	3556	17012	PAC 2938703	WASTE PETROLEUM NAPHTHA	Not Determined	1.00	Yes		

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**PRP Name:** Porter Instruments

### **Researcher Initials:**

### Data Entry Initials:

Date of Data Entry:

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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1/21/87	13000095	1987		PAB 3276781	TRICHLOROETHANE, NOS	Chemclene	5.00	Yes		
1/21/87	13000097	1989		PAB 3276755	CHLORINATED SOLVENTS, MINERAL SPIRITS	Chemclene	1.00	Yes		
1/21/87	13000098	1990		PAB 3276770	CHLORINATED SOLVENTS, MINERAL SPIRITS	Chemclene	1.00	Yes		
1/21/87	13000099	1991		PAB 3276766	TRICHLOROETHANE	Chemclene	1.00	Yes		
1/21/87	13000053	1994		PAB 3276722	TRICHLOROETHANE	Chemclene	4.00	Yes		
1/21/87	13000084	1995		PAB 3276733	TRICHLOROETHANE, CHLORINATED SOLVENTS	Chemclene	2.00	Yes		
1/21/87	13000064	1996		PAB 3276792	TRICHLOROETHANE	Chemclene	2.00	Yes		
1/21/87	13000098	1987		PAB 3276781	WASTE MINERAL SPIRITS	Not Determined	1.00	Yes		
1/21/87	13000099	1987		PAB 3276781	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
1/21/87	13000074	1992		PAB 3276711	WASTE MINERAL SPIRITS	Not Determined	1.00	Yes		
1/21/87	13000074	1993		PAB 3276711	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
1/21/87	13000084	1995		PAB 3276733	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
1/27/87	13000104	1988		PAB 3276744	TRICHLOROETHANE	Not Determined	1.00	Yes		
4/28/87	13000112	2098		PAB 3277035	TRICHLOROETHANE	Chemclene	4.00	Yes		
4/28/87	13000113	2099		PAB 3277024	TRICHLOROETHANE	Chemclene	1.00	Yes		
4/28/87	13000123	2100		PAB 3277072	TRICHLOROETHANE	Chemclene	1.00	Yes		

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7/10/87 13000152	1278		PAB 3277120	TRICHLOROETHANE	Chemclene	2.00	Yes		
7/10/87 13000144	2177		PAB 3277341	TRICHLOROETHANE	Chemclene	3.00	Yes		
7/10/87 13000161	2179		PAB 3277330	TRICHLOROETHANE	Chemclene	1.00	Yes		
12/10/87 13000124	2329		PAB 3276280, P	TRICHLOROETHANE, OIL	Chemclene	87.27	Yes		
4/8/88 13000193	2463		PAB 5286676	MINERAL SPIRITS, TRICHLOROETHANE	Chemclene	1.00	Yes		
4/8/88 13000201	2464		PAB 5286665	MINERAL SPIRITS, TRICHLOROETHYLENE, OIL	Chemclene	2.00	Yes		
4/8/88 13000181	2467		PAB 5286665	MINERAL SPIRITS	Chemclene	1.00	Yes		
4/8/88 13000212	2468		PAB 5286665	TRICHLOROETHANE	Chemclene	2.00	Yes		
4/8/88 13000225	2471		PAB 5286654	TRICHLOROETHANE, MINERAL SPIRITS	Chemclene	3.00	Yes		
5/12/88 13000243	2469		PAB 5286654	MINERAL SPIRITS	Chemclene	2.00	Yes		
5/12/88 13000238	2470		PAB 5286654	MINERAL SPIRITS	Chemclene	1.00	Yes		
10/21/88 13009015	0		PAB 5286853	MINERAL SPIRITS, TRICHLOROETHANE, FLAMMAB	Chemclene	2.00	Yes		
10/21/88 13009025	0		PAB 5286800	TRICHLOROETHANE, MINERAL SPIRITS	Not Determined	3.00	Yes		
10/21/88 13009034	0		PAB 5286901	MINERAL SPIRITS, TRICHLOROETHANE	Chemclene	4.00	Yes		
10/21/88 13009014	.2650		PAB 5286853	WASTE 1,1,1 TRICHLORETHANE AND MINERAL SPIR	Not Determined	1.00	Yes		
10/21/88 13009024	2655		PAB 5286890	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	4.00	Yes		

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10/21/88	1300903	2657		PAB 5286901	WASTE MINERAL SPIRITS	Not Determined	5.00	Yes		
12/22/88	13009052	0		PAB 5287015	MINERAL SPIRITS, TRICHLOROETHANE	Chemclene	1.00	Yes		
12/22/88	1300904	0		PAB 5286982	TRICHLOROETHANE, MINERAL SPIRITS	Not Determined	3.00	Yes		
12/22/88	1300033	2727		PAB 5286956	TRICHLOROETHANE	Chemclene	1.00	Yes		
12/22/88	1300905	2730		PAb 5287015	WASTE I,I,I TRICLORETHANE AND MINERAL SPIR	Not Determined	2.00	Yes		
12/22/88	13009053	2731		PAB 5287015	WASTE OIL & I,I,I TRICLORETHANE	Not Determined	1.00	Yes		
2/24/89	1300906	0		PAB 5287041	TRICHLOROETHANE, MINERAL SPIRITS	Chemclene	3.00	Yes		
2/24/89	1300036	2793		PAB 5287063	MINERAL SPIRITS	Chemclene	1.00	Yes		
2/24/89	1300037	2797		PAB 5287079	TRICHLOROETHANE	Chemclene	1.00	Yes		
2/24/89	13000373	2793		PAB 5287063	WASTE I,I,I TRICLORETHANE AND MINERAL SPIR	Not Determined	1.00	Yes		
2/24/89	1300906	2796		PAB 5287041	WASTE OIL & I,I,I TRICLORETHANE	Not Determined	1.00	Yes		
2/24/89	1300906	2797		PAB 5287079	WASTE I,I,I TRICLOROETHANE	Not Determined	6.00	Yes		
4/20/89	1300907	0		PAB 5287262	TRICHLOROETHANE, OIL, MINERAL SPIRITS	Chemclene	1.00	Yes		
4/20/89	1300908	0		PAB 5287240	TRICHLOROETHANE, OIL	Chemclene	2.00	Yes		
4/20/89	1300909	0		PAB 5287251	TRICHLOROETHANE, MINERAL SPIRITS	Chemclene	3.00	Yes		
4/20/89	1300908	2860		PAB 5287262	WASTE I,I,I TRICLOROETHANE	Not Determined	8.00	Yes		

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4/20/89	1300984	2861		PAB 5287262	WASTE OIL & 1,1,1 TRICHLORETHANE	Not Determined	5.00	Yes		
4/20/89	1300984	2866		PAB 5287251	WASTE MINERAL SPIRITS	Not determined	1.00	Yes		
6/29/89	13000423	2960		PAB 6153545	TRICHLOROETHANE	Chemclene	7.00	Yes		
6/29/89	13000503	2961		PAB 6153545	TRICHLOROETHANE & OIL	Chemclene	7.00	Yes		
7/19/89	13000523	2976		PAB 6154223	TRICHLOROETHANE & OIL	Chemclene	2.00	Yes		
7/19/89	13000523	2977		PAB 6154223	MINERAL SPIRITS & TRICHLOROETHANE	Chemclene	1.00	Yes		
7/19/89	13000511	2978		PAB 6154223	MINERAL SPIRITS	Chemclene	2.00	Yes		
7/19/89	13000533	2979		PAB 6154245	TRICHLOROETHANE	Chemclene	2.00	Yes		
7/19/89	13000533	2980		PAB 6154245	TRICHLOROETHANE & OIL	Chemclene	1.00	Yes		
9/12/89	13000623	3019		PAD 1242054	TRICHLOROETHANE & OIL	Chemclene	1.00	No		
9/12/89	13000633	3020		PAD 1242113	TRICHLOROETHANE & OIL	Chemclene	1.00	Yes		
9/12/89	13000633	3021		PAD 1242113	MINERAL SPIRITS	Chemclene	1.00	Yes		
9/12/89	13000623	3022		PAD 1242113	TRICHLOROETHANE	Chemclene	2.00	Yes		
9/12/89	13000613	3022		PAD 1242113	TRICHLOROETHANE	Chemclene	2.00	Yes		
9/12/89	13000633	3023		PAD 1242021	TRICHLOROETHANE & OIL	Chemclene	1.00	Yes		
9/12/89	13000573	3024		PAD 1242021	MINERAL SPIRITS	Chemclene	1.00	Yes		

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9/9/74	1306001	0		NA	TRICHLOR SLUDGE	Not Determined	14.00	Yes		
3/6/75	1306002	0878	5550	NA	TRICHLORETHYLENE	Material Reclaimed	5.08	No		
3/6/75	1306002	3580	5550	NA	DIRTY TRICHLORETHYLENE	Not Determined	23.00	Yes		
5/7/75	1306003	3764		NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	4.00	Yes		
5/29/75	1306004	3778		NA	DIRTY TRICHLORETHYLENE	Not Determined	2.00	Yes		
5/29/75	1306004	3778		NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
6/25/75	1306005	3791		NA	DIRTY TRICHLORETHYLENE	Not Determined	15.00	Yes		
8/26/75	1306006	3867		NA	TRICHLORETHYLENE	Not Determined	10.00	Yes		
9/26/75	1413075	3886		NA	WET CHLOROFORM	Not Determined	2.00	Yes		
9/26/75	1413075	3886		NA	CHLOROFORM	Not Determined	21.00	Yes		
9/26/75	1413075	3886		NA	EMPTY DRUMS	Not Determined	27.00	No		
10/7/75	1413076				1,1,1 TRICHLOROETHANE	Material Reclaimed	3.84	No		
10/7/75	1413076	3890			1,1,1 TRICHLOROETHANE	Not Determined	4.00	Yes		
5/27/76	1306007	9379		NA	DIRTY TRICHLORETHYLENE	Not Determined	19.00	Yes		
5/28/76	1413074			NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	5.04	No		
5/28/76	1413074	9380		NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	5.00	Yes		

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6/7/76 1306008	9384		NA	DIRTY TRICHLOROETHYLENE	Not Determined	2.00	Yes		
9/17/76 1313072			NA	1,1,1 TRICHLOROETHANE	Not Determined	4.08	No		
9/17/76 1313072	9422		NA	1,1,1 TRICHLOROETHANE	Not Determined	4.00	Yes		
11/19/76 1306009	9402	6419	NA	PERCHLORETHYLENE	Not Determined	2.00	Yes		
11/19/76 1306010	0964	6419	NA	PERCHLORETHYLENE	Material Reclaimed	5.97	No		
3/2/77 1306011	9484		NA	TRICHLOROETHYLENE	Not Determined	12.00	Yes		
4/28/77 1306012	3516		NA	WATER, TRICHLOROETHYLENE	Not Determined	3.00	Yes		
4/28/77 1306012	3516		NA	1,1,1 TRICHLOROETHANE	Not Determined	10.00	Yes		
4/28/77 1306012	3516		NA	MINERAL SPIRITS	Not Determined	10.00	Yes		
6/20/77 1313199		6777	NA	TRICHLOROETHYLENE	Material Reclaimed	7.19	No		
6/20/77 1306013		6677	NA	TRICHLOROETHYLENE	Not Determined	7.00	Yes		
8/4/77 1306014		6733	NA	TRICHLOROETHYLENE	Material Reclaimed	5.28	No		
8/4/77 1306014	3547	6733	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	6.00	Yes		
9/1/77 1306015	4867		NA	TRICHLOROETHYLENE	Not Determined	15.00	Yes		
9/7/77 1306017	4856	6772	NA	DIRTY PERCHLORETHYLENE	Material Reclaimed	2.80	No		
9/7/77 1306016	4856	6772	NA	TRICHLOROETHYLENE	Material Reclaimed	0.53	No		

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9/7/77	1306016	4856	6772	NA	DIRTY TRICHLORETHYLENE	Not Determined	1.00	Yes		
9/7/77	1306016	4856	6772	NA	DIRTY PERCHLORETHYLENE	Not Determined	3.00	Yes		
12/23/77	1306019	3602	6902	NA	TRICHLORETHYLENE	Material Reclaimed	5.92	No		
12/23/77	1306019	3602	6902	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	7.00	Yes		
12/23/77	1306020	4888	6902	NA	DIRTY TRICHLOROETHANE	Material Reclaimed	12.78	No		
12/23/77	1306018	4888	6902	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	13.00	Yes		
1/3/78	1306021	4825		NA	TRICHLORETHYLENE	Not Determined	12.00	Yes		
4/6/78	1306022		7024	NA	METHYLENE CHLORIDE	Material Reclaimed	47.50	No		
4/6/78	1306022	3639	7024	NA	DIRTY METHYLENE CHLORIDE	Not Determined	54.00	Yes		
5/4/78	1306023	3644	7069	NA	TRICHLORETHYLENE	Material Reclaimed	6.00	No		
5/4/78	1306023	3644	7069	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	11.00	Yes		
5/17/78	1306024		7086	NA	TRICHLOROETHANE	Material Reclaimed	3.00	No		
5/17/78	1306024		7086	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	4.00	Yes		
5/23/78	1306025	4710	7092	NA	TRICHLORETHYLENE	Material Reclaimed	6.39	No		
5/23/78	1306025	4710	7092	NA	1,1,1 TRICHLOROETHANE	Not Determined	7.00	Yes		
6/27/78	1306026	4743		NA	TRICHLORETHYLENE	Not Determined	8.00	Yes		

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9/25/78	1306900		7253	NA	CHLOROFORM	Not Determined	29.00	Yes		
11/2/78	1306029	4778	7302	NA	TRICHLORETHYLENE	Material Reclaimed	3.31	No		
11/2/78	1306029	4778	7302	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	4.00	Yes		
12/5/78	1306030		7331	NA	PERCHLOROETHANE	Material Reclaimed	2.06	No		
12/5/78	1306030		7331	NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	2.60	No		
12/5/78	1306030		7331	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.00	Yes		
12/5/78	1306030		7331	NA	PERCHLOROETHANE	Not Determined	3.00	Yes		
12/5/78	1306030	4734	7331	NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	3.63	No		
12/5/78	1306030	4734	7331	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	4.00	Yes		
12/5/78	1306030	4734	7331	NA	PERCHLORETHYLENE	Material Reclaimed	4.80	No		
12/5/78	1306030	4734	7331	NA	DIRTY PERCHLORETHYLENE	Not Determined	7.00	Yes		
12/5/78	1306030	4734	7331	NA	DIRTY METHYLENE CHLORIDE	Not Determined	25.00	Yes		
1/29/79	1306031	1826	7401	NA	MINERAL SPIRITS	Not Determined	1.00	Yes		
1/29/79	1306031	1826	7401	NA	METHYLENE CHLORIDE	Material Reclai	2.00	No		
1/29/79	1306031	1826	7401	NA	TRICHLORETHYLENE	Material Reclaimed	5.00	No		
1/29/79	1306031	4805	7401	NA	METHYLENE CHLORIDE	Not Determined	8.00	Yes		

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1/29/79	1306031	4805	7401	NA	1,1,1 TRICHLOROETHANE	Not Determined	9.00	Yes		
2/15/79	1306032	4847		NA	DIRTY TRICHLORETHYLENE	Not Determined	8.00	Yes		
5/7/79	1306035	9983	7518	NA	TRICHLORETHYLENE	Material Reclaimed	5.28	No		
5/7/79	1306034	9983	7518	NA	TRICHLORETHYLENE	Not Determined	7.00	Yes		
5/7/79	1306033	4825	7518	NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	7.86	No		
5/7/79	1306033	4825	7518	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	12.00	Yes		
5/7/79	1306033	9961	7518	NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	3.08	No		
5/7/79	1306033	9961	7518	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
7/18/79	1306036	9912	7614	NA	TRICHLORETHYLENE	Material Reclaimed	5.88	No		
7/18/79	1306036	9912	7614	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
9/20/79	1306038	9914	7699	NA	TRICHLORETHYLENE	Material Reclaimed	16.01	No		
9/20/79	1306038	9914	7699	NA	DIRTY TRICHLORETHYLENE	Not Determined	17.00	Yes		
9/20/79	1306038	9917	7699	NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	1.00	No		
9/20/79	1306038	9917	7699	NA	METHYLENE CHLORIDE	Not Determined	10.00	Yes		
9/20/79	1306038	9917	7699	NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	0.64	No		
9/28/79	1306039	9948		NA	DIRTY TRICHLORETHYLENE	Not Determined	9.00	Yes		

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12/21/79	13060413		7819	NA	PROPYLENE GLYCOL IND.	Not Determined	0.09	Yes		
12/21/79	13060413		7819	NA	MINERAL SPIRITS	Not Determined	10.00	Yes		
12/21/79	13060413	9685		NA	TRICHLORETHYLENE	Not Determined	19.00	Yes		
12/21/79	13060413	9679	7819	NA	TRICHLORETHYLENE	Material Reclaimed	5.81	No		
12/21/79	13060413	9679	7819	NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
12/21/79	13060413	9685	7819	NA	TRICHLORETHYLENE	Not Determined	19.00	Yes		
12/21/79	13060413	9685	7819	NA	TRICHLORETHYLENE	Material Reclaimed	23.78	No		
12/21/79	13060413	9906	7819	NA	PERCHLORETHYLENE	Material Reclaimed	1.22	No		
12/21/79	13060413	9906	7819	NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	2.60	No		
12/21/79	13060413	9906		NA	PERCHLORETHYLENE	Not Determined	4.00	Yes		
12/21/79	13060413	9906	7819	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.00	Yes		
12/21/79	13060413	9929	7819	NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	2.84	No		
12/21/79	13060413	9929	7819	NA	1,1,1 TRICHLOROETHANE	Not Determined	7.00	Yes		
12/21/79	13060413	9941	7819	NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	2.67	No		
12/21/79	13060413	9941		NA	TRICHLORETHYLENE	Material Reclaimed	2.67	No		
12/21/79	13060413	9941	7819	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	6.00	Yes		

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12/21/79	13060434	9941	7819	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.00	Yes		
12/21/79	13060428	9941		NA	TRICHLORETHYLENE	Not Determined	6.00	Yes		
6/9/80	13060442	2139	8007	NA	METHYLENE CHLORIDE	Not Determined	12.99	Yes		
6/18/80	13130782		8023	NA	TRICHLORETHYLENE	Not Determined	0.65	Yes		
6/18/80	13060455	12		NA	METHYLENE CHLORIDE	Material Reclaimed	0.36	No		
6/18/80	13060455	12		NA	METHYLENE CHLORIDE	Chemclene	1.00	Yes		
6/18/80	13060458	12		NA	1,1,1 TRICHLOROETHANE	Material Reclaimed	4.58	No		
6/18/80	13060458	12		NA	1,1,1 TRICHLOROETHANE	Not Determined	10.00	Yes		
7/15/80	13060464	2468	8063	NA	PERCHLORETHYLENE	Material Reclaimed	4.58	No		
7/15/80	13060464	2468	8063	NA	PERCHLORETHYLENE	Not Determined	6.00	Yes		
10/29/80	13060471	71	8217	NA	TRICHLORETHYLENE	Material Reclaine	10.80	No		
10/29/80	13060471	71	8217	NA	TRICHLORETHYLENE	Not Determined	14.00	Yes		
1/23/81	13060483	33	8353	NA	TRICHLORETHYLENE	Material Reclaimed	2.25	No		
1/23/81	13060483	33	8353	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
1/23/81	13060483	33	8353	NA	PERCHLORETHYLENE	Material Reclaimed	4.41	No		
1/23/81	13060483	33	8353	NA	PERCHLORETHYLENE	Not Determined	6.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

**PRP Name:** Quaker City Chemicals

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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PRP Name: Reilly Plating

7/21/97

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoiced Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
4/18/77	13130014	3504	NA	NA	DIRTY TRICHLORETHYLENE	Not Determined	27.00	Yes		
4/20/77	13130023	3507	NA	NA	TRICHLORETHYLENE	Not Determined	12.00	Yes		
4/20/77	13130024	3507	NA	NA	M-CLEAN D	NOT DETERMINE	21.00	Yes		
8/19/77	13130034	4875	NA	NA	METHYLENE CHLORIDE	Not Determined	33.00	Yes		
8/26/77	13130044	1239	6762	NA	M-CLENE-D	Not Determined	35.00	Yes		
8/26/77	13130045	5132	6762	NA	M-CLENE-D	NOT DETERMINE	5.00	No		
2/24/78	13130053	1437	6970	NA	METHYLENE CHLORIDE	Not Determined	16.00	Yes		
2/24/78	13130054	1437	6970	NA	METHYLENE CHLORIDE	NOT DETERMINE	15.00	No		
3/23/78	13130061	3629	NA	NA	METHYLENE CHLORIDE	NOT DETERMINE	16.00	Yes		
1/19/79	13130073	1817	7391	NA	M-CLENE-D	Material Reclaine	8.00	No		
1/19/79	13130074	1817	7391	NA	M-CLENE-D	Not Determined	32.00	Yes		
3/3/79	13130104	3504	NA	NA	DIRTY TRICHLORETHYLENE	Not Determined	27.00	Yes		
3/3/79	13130114	3507	NA	NA	TRICHLORETHYLENE	Material Reclaine	12.00	Yes		
3/3/79	13130118	3507	NA	NA	M-CLENE-D	Not Determined	21.00	Yes		
3/3/79	13130093	4702	NA	NA	M-CLENE-D	Not Determined	32.00	Yes		
3/3/79	13130093	4782	NA	NA	M-CLENE-D	Not Determined	18.00	Yes		

## **Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

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**PRP Name: Reilly Plating**

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

PRP Name: Resource Technology Services, Inc.

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7/21/97

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
5/22/79	13150015	9993		NA	1,1,1 TRICHLOROETHANE	Not Determined	5.00	Yes		
5/22/79	13150016	9991		NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
5/22/79	13150017	9993		NA	FREON	Not Determined	1.00	Yes		
12/12/79	13150024	2209		NA	TRICHLOROETHANE	Not Determined	14.00	Yes		
4/26/80	13150032	932		NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
7/18/80	13150045			NA	CHLORINATED STILL BOTTOMS	Not Determined	57.00	No		
8/14/80	13150055	2502	8100	NA	EMPTY RECONDITIONED DRUMS	Not Determined	2.00	No		
8/26/80	13150062			NA	CHLORINATED STILL BOTTOMS	Not Determined	69.00	No		
10/16/80	13150073			NA	CHLORINATED STILL BOTTOMS	Not Determined	73.50	No		
1/7/81	13150084	0		PAA 00122830	NOS	Chemclene	10.00	Yes		
2/12/81	13150093	0		PAA 0013241	NOS, TRICHLOROETHANE	Chemclene	20.00	Yes		
2/14/81	13150104	0		PAA 1242920	METHYLENE CHLORIDE, TRICHLOROETHANE	Chemclene	21.00	Yes		
4/3/81	13150123	29		NA	STILL BOTTOMS	Chemclene	5.00	No		
4/3/81	13150124	29		NA	USED PERCHLORETHYLENE	Chemclene	20.00	Yes		
4/3/81	13150125	40		NA	STILL BOTTOMS	Chemclene	0.50	No		
4/3/81	13150126	40		NA	PERCHLORETHYLENE	Chemclene	1.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

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4/3/81	1315015	62		NA	STILL BOTTOMS	Chemclene	2.00	No		
4/3/81	1315015	62		NA	DIRTY 1,1,1 TRICHLOROETHANE	Chemclene	4.00	Yes		
4/3/81	1315014	108		NA	STILL BOTTOMS	Chemclene	2.00	No		
4/3/81	1315014	108		NA	1,1,1 TRICHLOROETHANE	Chemclene	27.00	Yes		
4/3/81	1315016	135		NA	STILL BOTTOMS	Chemclene	1.00	No		
4/3/81	1315016	135		NA	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	4.00	Yes		
4/29/81	1315017	179		PAA 1201631	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	14.00	Yes		
6/1/81	1315018	197		PAA 1230364	DIRTY PERCHLORETHYLENE	Chemclene	3.00	Yes		
6/1/81	1315018	197		PAA 1230364	DIRTY TRICHLOROETHYLENE	Chemclene	4.91	Yes		
6/1/81	1315018	197		PAA 1230364	DIRTY 1,1,1 TRICHLOROETHANE	Chemclene	16.00	Yes		
6/12/81	1413102	187		PAA 1210182	STILL BOTTOMS	Chemclene	1.50	No		
6/12/81	1413102	187		PAA 1210182	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	11.00	Yes		
7/10/81	1315019	158		NA	METHYLENE CHLORIDE	Chemclene	2.00	Yes		
7/10/81	1315019	158		NA	1,1,1 TRICHLOROETHANE	Chemclene	23.00	Yes		
7/10/81	1315019	158		NA	PERCHLORETHYLENE	Chemclene	3.00	Yes		
7/17/81	1315020	227		PAA 1230961	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	16.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

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7/17/81	13150204	227		PAA 1230961	WASTE FREON	Chemclene	1.00	Yes		
7/17/81	13150205	227		PAA1230961	WASTE TRICHLORETHYLENE	Chemclene	5.00	Yes		
7/17/81	13150205	227		PAA 1230961	WASTE PERCHLORETHYLENE	Chemclene	5.00	Yes		
7/31/81	13150213	234		PAA1201535	WASTE TRICHLORETHYLENE	Chemclene	20.00	Yes		
7/31/81	13150213	234		PAA 1201535	WASTE METHYLENE CHLORIDE	Chemclene	1.00	Yes		
7/31/81	13150213	234		Paa 1201535	WASTE FREON	Chemclene	2.00	Yes		
7/31/81	13150213	234		PAA 1201535	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	5.00	Yes		
10/20/81	13150222	983		NA	SODIUM CYANIDE	Not Determined	1.00	Yes		
5/24/82	13150233	1339		NA	ALKALINE LIQUID	Not Determined	15.00	Yes		
5/24/82	13150233	1339		NA	ACID LIQUID	Not Determined	6.00	Yes		
10/23/82	13150254	497		PAA 4427150	WASTE PERCHLORETHYLENE	Chemclene	6.00	Yes		
10/23/82	13150254	497		PAA 4427150	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
11/10/82	13150263	508		PAA 1220796	TRICHLORETHYLENE	Chemclene	7.00	Yes		
11/10/82	13150263	508		PAA 1220796	WASTE METHYLENE CHLORIDE	Chemclene	1.00	Yes		
11/10/82	13150263	508		PAA 1220796	WASTE PERCHLORETHYLENE	Chemclene	1.00	Yes		
11/10/82	13150263	508		PAA 1220796	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	9.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

PRP Name: Resource Technology Services, Inc.

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Coupled Toward Ranking	Change Completed	Comments
12/9/82	13150273	1865		NA	CHROMIC ACID SOLUTION	Not Determined	1.00	Yes		
12/22/82	13150283	530		NA	WASTE METHYLENE CHLORIDE	Chemclene	2.00	Yes		
12/22/82	13150283	530		NA	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
12/22/82	13150283	530		NA	METHYLENE CHLORIDE	Chemclene	3.00	Yes		
12/22/82	13150283	530		NA	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	4.00	Yes		
2/18/83	13150243	472	11060	PAA 4426424	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	4.00	Yes		
2/18/83	13150243	472	11060	PAA 4426424	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	11.00	Yes		
2/28/83	13150293	2068		NA	FERRIC CHLORIDE SOLUTION	Not Determined	2.00	Yes		
3/7/83	13150303	572		PAA 4498130	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
3/7/83	13150303	572		NA	WASTE METHYLENE CHLORIDE	Chemclene	2.00	Yes		
3/7/83	13150303	572		NA	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	22.00	Yes		
3/30/83	13150313	3516	11142	NA	CHLOROSOLV	Not Determined	0.11	Yes		
6/23/83	13150323	658		PAA 4710941	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	8.00	Yes		
6/30/83	13150333	669		PAA 1201896	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		
6/30/83	13150333	669		PAA 1201896	WASTE TRICHLORETHYLENE	Chemclene	2.00	Yes		
10/5/83	13150343	736		PAA 4723913	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	17.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
10/5/83	1315034	736		PAA 4723913	WASTE METHYLENE CHLORIDE	Chemclene	3.00	Yes		
10/5/83	1315034	736		PAA 4723913	WASTE TRICHLORETHYLENE	Chemclene	6.00	Yes		
10/7/83	1315035	741		PAA 5090153	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
10/7/83	1315035	741		PAA 5090153	WASTE TRICHLORETHYLENE	Chemclene	6.00	Yes		
3/7/84	1315036	886		PAA 3819601, P	WASTE TRICHLORETHYLENE	Chemclene	8.00	Yes		
3/7/84	1315036	886		PAA 3817634	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	15.00	Yes		
3/12/84	1315037	891		PAA 4721010	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	5.00	Yes		
3/12/84	1315037	891		PAA 4721010	WASTE METHYLENE CHLORIDE	Chemclene	13.00	Yes		
5/24/84	1413103	977		PAA 4724626	WASTE TRICHLORETHYLENE	Chemclene	4.00	Yes		
5/24/84	1413103	977		PAA 4724626	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	4.00	Yes		
6/8/84	1315038	986		PAA 4958903	WASTE METHYLENE CHLORIDE	Chemclene	12.00	Yes		
6/8/84	1315039	987		PAA 4958903	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	12.00	Yes		
6/30/84	1315040	3892		NA	FERRIC CHLORIDE SOLUTION	Chemclene	3.00	Yes		
9/20/84	1315041	4141		NA	OVERPACKED DRUMS	Not Determined	4.00	No		
11/7/84	1315042	0	12558	NA	WASTE SOLIDS	Not Determined	5.00	Yes		
11/12/84	1315043	1158		PAB 00678134	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	21.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

PRP Name: Resource Technology Services, Inc.

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11/12/84	14131048	1158		PAB 00678134	WASTE METHYLENE CHLORIDE	Chemclene	3.00	Yes		
11/15/84	13150448	0	12580	NA	WASTE FLAMMABLE LIQUID	Not Determined	81.82	Yes		
11/16/84	13150458	1141	12537	PAB 00678123	FLAMMABLE LIQUID	Not Determined	84.00	Yes		
11/21/84	13150468		12581	PAB 00798906	WASTE FLAMMABLE LIQUID	Not Determined	81.82	Yes		
11/28/84	13150478		12582	NA	WASTE SOLIDS	Delaware Container	17.00	Yes		
3/4/85	13150498	1259		PAB 00792131	1,1,1 TRICHLOROETHANE	Chemclene	13.00	Yes		
3/4/85	13150508	1260		PAB 00792131	TRICHLORETHYLENE	Chemclene	3.00	Yes		
3/4/85	13150488	1261		PAB 00792120	METHYLENE CHLORIDE	Chemclene	7.00	Yes		
11/22/85	13150518	5608		PAB 893056	CALCIUM OXIDE & CHROMIUM	Chemclene	3.00	Yes		
11/25/85	13150528	5647		PAB 00893141	WASTE OIL	Not Determined	2.00	Yes		
4/29/87	13150538	6914		PAB 4769903	SODIUM HYDROXIDE	Not Determined	1.00	Yes		
4/29/87	13150548	6915		NA	WASTE CUTTING OIL	Not Determined	1.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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**PRP Name:** Resource Technology Services, Inc.

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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PRP Name: Samuel Miller & Sons

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
6/25/82	13230010	0		PAA 1095006	TRICHLORETHYLENE	Not Determined	3.00	Yes		
8/24/82	13230020	3299		NA	TRICHLORETHYLENE	Not Determined	5.00	Yes		
10/20/82	13230030	3359		NA	TRICHLOROETHANE	Not Determined	5.00	Yes		
11/19/82	13230040	3400		NA	TRICHLOROETHANE	Not Determined	5.00	Yes		
1/19/83	13230050	543		NA	TRICHLOROETHANE	Not Determined	4.00	Yes		
9/14/83	13230060	3721		NA	TRICHLOROETHANE	Not Determined	3.00	Yes		
10/13/83	13230070	3757		NA	TRICHLOROETHANE, PERCHLOROETHYLENE	Not Determined	5.00	Yes		
12/13/83	13230080	3834		NA	SOLVENTS, USED DRUMS	Not Determined	5.00	Yes		
12/13/83	13230080	3834		NA	EMPTY DRUMS	Not Determined	20.00	No		
2/24/84	13230090	3903		NA	SOLVENTS	Not Determined	5.00	Yes		
5/1/84	13230100	3988		NA	CHLORINATED	Not Determined	5.00	Yes		
7/17/84	13230110	4069		NA	TRICHLOROETHANE	Not Determined	5.00	Yes		
10/31/84	13230120	4191		NA	TRICHLOROETHANE	Not Determined	5.00	Yes		
12/21/84	13230130	4239		NA	CHLORINATED SOLVENTS	Not Determined	5.00	Yes		
2/28/85	13230140	12740		NA	PERCHLORETHYLENE	Not Determined	5.00	Yes		
8/23/85	13230150	1451		PAB 892242	TRICHLOROETHANE	Not Determined	5.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

**DRAFT**

7/21/97

PRP Name: Samuel Miller & Sons

**Researcher Initials:**

### Data Entry Initials

Date of Data Entry:

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

PRP Name: S K F Industries Inc.

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7/21/97

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order ID	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
5/2/83	13200013			NA	WASTE ACID	Not Determined	1.00	Yes		
5/2/83	13200013			NA	17-H DRUMS	Not Determined	2.00	No		
5/2/83	13200013			NA	WAX	Not Determined	2.00	Yes		
5/2/83	13200013			NA	SODIUM CHLORATE	Not Determined	4.00	Yes		
5/2/83	13200013			NA	GREASE	Not Determined	8.00	Yes		
5/2/83	13200013	613		PAA4766650	17-H, ACID, GREASE, WAX, SODIUM CHLORATE, AL	Chemclene	7.00	Yes		
5/2/83	13200013	613		NA	WASTE ALCOHOL	Chemclene	2.00	Yes		
5/2/83	13200013	613		na	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	8.00	Yes		
6/3/83	13200034	2487		NA	WASTE GREASE	Chemclene	2.00	Yes		
6/10/83	13209002	0		PAA 4766916 &	LIME, GREASE, TRICHLOROETHANE, MINERAL SPIR	Chemclene	2.00	Yes		
6/10/83	13209002	641		PAA 4766916	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
6/10/83	13209002	641		PAA 4766916	WASTE MINERAL SPIRITS	Chemclene	4.00	Yes		
6/10/83	13209002	646		NA	WASTE LIME	Chemclene	9.00	Yes		
6/30/83	13200065			NA	17-H DRUMS	Not Determined	2.00	No		
6/30/83	13200065	666		PAA 4767221 &	OIL, GREASE, TRICHLOROETHANE, CHLORINATED	Chemclene	8.00	Yes		
6/30/83	13200065	666		PAA 476221	WASTE TRICHLORETHYLENE AND MC	Chemclene	1.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

PRP Name: S K F Industries Inc.

Researcher Initials:

Data Entry Initials:

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
6/30/83	1320006	666		PAA 476221	WASTE GREASE	Chemclene	2.00	Yes		
6/30/83	1320006	666		PAA 476221	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	5.00	Yes		
7/29/83	1320007	687		PAA 4767405 &	GREASE, TRICHLOROETHANE, LIME WATER	Chemclene	2.00	Yes		
7/29/83	1320007	687		PAA 4767405	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	3.00	Yes		
7/29/83	1320007	687		PAA 4767405	WASTE WATER & LIME	Chemclene	17.00	Yes		
10/4/83	1320008	734		PAA 4767873	ALCOHOL, TRICHLOROETHANE	Chemclene	2.00	Yes		
10/4/83	1320008	734		PAA 4767873	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	4.00	Yes		
10/26/83	1320009	756		PAA 4767954	POTASSIUM NITRATE	Chemclene	14.00	Yes		
11/10/83	1320901	0		NA	EMPTY DRUMS	Not Determined	4.00	No		
11/10/83	1320901	0		PAA 4768245 &	EMPTY 17-IL SODIUM HYDROXIDE, SALTS, GREASE,	Chemclene	2.00	Yes		
11/10/83	1320901	776		PAA 4768245	WASTE GREASE	Not Determined	1.00	Yes		
11/10/83	1320901	776		PAA 4768245	WASTE CORROSIVE SOLID (SODIUM HYDROXIDE)	Not Determined	3.00	Yes		
11/10/83	1320901	776		PAA 4768245	WASTE SOAP	Not Determined	4.00	Yes		
11/10/83	1320901	776		PAA 4768245	WASTE SALTS	Not Determined	9.00	Yes		
11/10/83	1320901	778		PAA 4768256	PETROLEUM NAPHTHA	Not Determined	1.00	Yes		
11/10/83	1320901	778		PAA 4768256	WASTE PETROLEUM NAPHTHA	Chemclene	5.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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PRP Name: S K F Industries Inc.

Researcher Initials:

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Invoice Date	Document ID	Orders Number	Invoices Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
12/14/83	13200138	806		PAA 4768503 &	PETROLEUM NAPHTHA, KNO3 & NAN02, GREASE S	Chemclene	2.00	Yes		
12/14/83	13200138	806		PAB 4768503	WASTE GREASE	Chemclene	1.00	Yes		
12/14/83	13200138	806		PAB 4768503	WASTE SODIUM HYDROXIDE	Chemclene	1.00	Yes		
12/14/83	13200138	806		PAB 4768503	WASTE KNO3 & NaNO2	Chemclene	10.00	Yes		
1/25/84	13200142	847		PAA 4768853	SOAP, SODIUM NITRITE MIX, SODIUM HYDROXIDE	Chemclene	1.00	Yes		
1/25/84	13200142	847		pab 4768853	WASTE SODIUM HYDROXIDE	Chemclene	2.00	Yes		
1/25/84	13200142	847		PAB 4768853	WASTE SODIUM NITRITE MIX	Chemclene	18.00	Yes		
4/6/84	13200151	49812		PAA 4768724, &	POTASSIUM NITRATE, HYDROCHLORIC ACID, PETR	Chemclene	12.00	Yes		
4/6/84	13200151	910		PAA 4768724	WASTE PETROLEUM NAPHTHA	Chemclene	7.00	Yes		
4/6/84	13200151	911		PAA 4768724	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
4/6/84	13200154	912		PAA 4769413	WASTE HYDROCHLORIC ACID	RTS via Chemclene	1.00	Yes		
7/16/84	13200162	1030		PAA 12435546	TRICHLOROETHANE	Not Determined	5.36	Yes		
10/3/84	13209023	0		PAB 00889066	LIME, OIL AND BARIUM, OIL, TRICHLOROETHANE,	Chemclene	3.00	Yes		
10/3/84	13209023	1099		PAB 00889070	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	3.00	Yes		
10/3/84	13209023	1100		PAB 00889070	WASTE PETROLEUM NAPHTHA	Chemclene	2.00	Yes		
10/3/84	13209023	1101		PAB 00889070	WASTE PETROLEUM OIL & BARIUM	Chemclene	5.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

PRP Name: S K F Industries Inc.

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7/21/97

Researcher Initials:

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Date of Data Entry:

Document ID	Order ID	Invoice Number	Manifest Number	Waste Description	TSD Facility	Total Quantity	Counted Toward Ranking	Change Completed	Comments
10/3/84 13209025	1102		PAB 00889066	WASTE HAZARDOUS NOS (CALCIUM OXIDE & CHIR)	RTS via Chemclene	12.00	Yes		
4/10/85 13209036	0		PAB 00890934	ASBESTOS, OIL AND BARIUM, FREON, SULFURIC A	Chemclene	1.00	Yes		
4/10/85 13209027	4971		PAB 00890912	OIL & BARIUM, SULFURIC ACID, POTASSIUM HYDR	SKF Industries	4.00	No		
4/10/85 13209032	1305		PAB 00890934	WASTE PETROLEUM NAPHTA	Chemclene	9.00	Yes		
4/10/85 13209034	1306		PAB 00890934	WASTE ETHYL ALCOHOL	Chemclene	1.00	Yes		
4/10/85 13209035	1307		PAB 00890934	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
4/10/85 13209036	1308		PAB 00890912	WASTE ASBESTOS	RTS via Chemclene	1.00	Yes		
4/10/85 13209037	1309		PAB 00890912	WASTE OIL & BARIUM	RTS via Chemclene	1.00	Yes		
4/10/85 13209038	1310		PAB 00890912	WASTE FREON	RTS via Chemclene	1.00	Yes		
5/20/85 13131558	4971	NA		WASTE CORROSIVE LIQUID	Not Determined	1.00	Yes		
11/13/85 13209040	0		PAB 00892920	TRICHLOROETHANE, PETROLEUM NAPHTA, LIME S	Chemclene	3.00	Yes		
11/13/85 13209041	1537		PAB 00892920	WASTE PETROLEUM NAPHTA	Chemclene	17.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

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# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

PRP Name: Simon Wrecking Company Inc.

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	1413079				DIRTY TRICHLOROETHYLENE	Not Determined	65.00	Yes		
10/3/74	1338001	0		NA	DIRTY TRICHLOROETHANE	Not Determined	65.00	Yes		
10/9/74	1338002	0		NA	DIRTY SOLVENT	Not Determined	70.00	Yes		
10/29/74	1338003	0		NA	TRICHLOROETHYLENE	Not Determined	61.00	Yes		
10/31/74	1338004	0		NA	TRICHLOROETHANE	Material Reclai... med	15.00	No		
10/31/74	1338004	0		NA	TRICHLOROETHYLENE	Not Determined	30.18	Yes		
10/31/74	1338004	0		NA	TRICHLOROETHYLENE	Not Determined	40.00	Yes		
10/31/74	1338004	0		NA	TRICHLOROETHANE	Not Determined	47.00	Yes		
11/14/74	1338005	0		NA	SOLVENT	Not Determined	75.00	Yes		
11/15/74	1338006	0		NA	SOLVENT	Not Determined	60.00	Yes		
11/22/74	1338007	0		NA	SLUDGE & WASTE	Not Determined	78.00	Yes		
1/2/75	1338008	3551		NA	LIGHT WEIGHT GUNK	Not Determined	0.55	Yes		
1/2/75	1338008	3551		NA	LIGHT WEIGHT GUNK	Not Determined	4.91	Yes		
1/2/75	1338008	3551		NA	LIGHT WEIGHT GUNK	Not Determined	62.00	Yes		
1/2/75	1338008	3551		NA	LIGHT WEIGHT GUNK	Not Determined	0.05	Yes		
1/27/75	1338009	3571		NA	DEGREASING SOLVENT	Not Determined	74.00	Yes		

## **Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

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# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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7/21/97

PRP Name: Star Dental Corporation

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2/23/77	1413105	1014	6525	NA	EMPTY DRUMS	Not Determined	15.00	No		
2/23/77	1413105	9480	6525	NA	WASTE OIL	Not Determined	15.00	Yes		
2/26/77	1353001	9470	6531	NA	TRI	Not Determined	2.00	Yes		
2/26/77	1353001	9470	6531	NA	WASTE OIL	Not Determined	13.00	Yes		
4/4/77	1353003	9495	6596	NA	TRI	Not Determined	2.00	Yes		
4/4/77	1353003	9495	6596	NA	OIL, TRICHLORETHYLENE	Not Determined	15.00	Yes		
5/2/77	1353004	1090	6618	NA	OIL	Not Determined	15.00	Yes		
5/11/77	1353006	3524	6630	NA	TRICHLORETHYLENE	Material Reclai	2.65	No		
5/11/77	1353006	3524	6630	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
5/11/77	1353005	3524	6630	NA	OIL	Not Determined	10.00	Yes		
6/7/77	1353007	1143	6661	NA	EMPTY DRUMS	Not Determined	15.00	No		
6/7/77	1353007	3538	6661	NA	TRICHLORETHYLENE	Material Reclai	1.85	No		
6/7/77	1353007	3538	6661	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
6/7/77	1353007	3538	6661	NA	WASTE	Not Determined	12.00	Yes		
6/23/77	1353008	1161	6681	NA	EMPTY DRUMS	Not Determined	15.00	No		
6/23/77	1353008	3544	6681	NA	TRICHLORETHYLENE	Material Reclai	1.59	No		

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6/23/77	13530087	3544	6681	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
6/23/77	13530088	3544	6681	NA	TRICHLORETHYLENE	Not Determined	10.00	Yes		
7/29/77	13530091	1201	6723	NA	DIRTY TRICHLORETHYLENE	Not Determined	2.00	Yes		
7/29/77	13530092	1201	6723	NA	TRICHLORETHYLENE	Material Reclaine	2.12	No		
7/29/77	13530093	1201	6723	NA	WASTE OIL.	Not Determined	21.00	Yes		
8/25/77	14131064	4863	6763	NA	WASTE OIL	Not Determined	16.00	Yes		
9/16/77	13530117	1264	6787	NA	WASTE OIL	Not Determined	16.00	Yes		
10/11/77	13530125	4883	6821	NA	TRICHLORETHYLENE	Material Reclaine	0.79	No		
10/11/77	13530126	4883	6821	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
10/11/77	13530127	4883	6821	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
10/11/77	13530128	4883	6821	NA	WASTE OIL	Not Determined	14.00	Yes		
11/2/77	13530139	4890	6844	NA	TRICHLORETHYLENE	Material Reclaine	1.32	No		
11/2/77	13530138	4890	6844	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
11/2/77	13530137	4890	6844	NA	OIL	Not Determined	13.00	Yes		
12/5/77	13530145	3601	6887	NA	TRICHLORETHYLENE	Material Reclaine	0.66	No		
12/5/77	13530146	3601	6887	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		

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12/5/77	13530145	3601	6887	NA	WASTE	Not Determined	21.00	Yes		
1/3/78	13530154	3610	6911	NA	WASTE	Not Determined	20.00	Yes		
1/24/78	13530163	3618	6938	NA	WASTE	Not Determined	18.00	Yes		
2/14/78	13530176	3621	6960	NA	WASH WATER AND GRAVEL	Not Determined	22.00	Yes		
3/17/78	13530186	3636	7007	NA	WASTE	Not Determined	20.00	Yes		
4/27/78	13530195	4707	7061	NA	WASTE	Not Determined	20.00	Yes		
11/17/78	13530200	4765	7314	NA	TRICHLORETHYLENE	Material Reclaiame	5.55	No		
11/17/78	13530201	4765	7314	NA	TRICHLORETHYLENE	Not Determined	8.00	Yes		
11/17/78	13530202	4765	7314	NA	OIL	Not Determined	12.00	Yes		
1/23/79	13530213	4837	7393	NA	TRICHLORETHYLENE	Material Reclaiame	6.08	No		
1/23/79	13530214	4837	7393	NA	DIRTY TRICHLORETHYLENE	Not Determined	8.00	Yes		
1/23/79	13530215	4837	7393	NA	OIL	Not Determined	12.00	Yes		
6/5/79	13530223	9994		NA	TRICHLORETHYLENE	Material Reclaiame	10.57	No		
6/5/79	13530224	9994		NA	DIRTY TRICHLORETHYLENE	Not Determined	14.00	Yes		
6/5/79	13530225	9994		NA	WASTE OIL	Not Determined	3.00	Yes		
11/15/79	13530231	1365		NA	UNSPECIFIED WASTE	Not Determined	22.00	Yes		

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2/4/80	13530245	2282		NA	UNSPECIFIED WASTE	Not Determined	16.00	Yes		
4/1/80	13530259	5		NA	I-I-I	Chemclene	11.00	Yes		
5/13/80	13530261	68		NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
5/13/80	13530262	68		NA	TRICHLOROETHANE	Not Determined	8.00	Yes		
6/18/80	13530274	25		NA	TCE	Chemclene	4.00	Yes		
6/18/80	13530275	25		NA	I,I,I TRICHLOROETHANE	Chemclene	13.00	Yes		
6/30/80	13530283	46	8043	NA	I-I-I	Chemclene	9.00	Yes		
10/28/80	13530294	87	8205	NA	CHLOROETHENE	Chemclene	9.00	Yes		
10/28/80	13530295	87	8205	NA	TRICHLORETHYLENE	Chemclene	2.00	Yes		
11/11/80	13530305	104	8237	NA	DIRTY TRICHLOROETHANE	Chemclene	10.00	Yes		
11/11/80	13530306	104	8237	NA	DIRTY TRICHLORETHYLENE	Chemclene	2.00	Yes		
1/23/81	13530321	127	8354	NA	WASTE I,I,I TRICHLOROETHANE	Not Determined	15.00	Yes		
1/23/81	13530325	127	8354	PAA 0128785	WASTE TRICHLORETHYLENE	Chemclene	3.00	Yes		
3/8/81	13530333	147	8428	NA	WASTE I,I,I TRICHLOROETHANE	Chemclene	12.00	Yes		
3/12/81	13530346	147	8428	NA	TRICHLORETHYLENE	Chemclene	2.00	Yes		
5/1/81	13530355	181	8559	NA	TRICHLORETHYLENE	Chemclene	3.00	Yes		

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5/1/81 13530352	181	8559	NA	TRICHLOROETHANE	Chemclene	11.00	Yes		
6/29/81 13530364	214	8664	NA	TRICHLOROETHANE	Not Determined	12.00	Yes		
6/29/81 13530369	214	8664	NA	TRICHLORETHYLENE	Chemclene	2.00	Yes		
9/8/81 13530376	258	8795	NA	TRICHLORETHYLENE	Not Determined	12.00	Yes		
9/8/81 13530379	258	8795	NA	TRICHLOROETHANE	Chemclene	2.00	Yes		
10/28/81 13530385	292	10032	NA	WASTE NITRIC ACID	Chemclene	1.00	Yes		
10/28/81 13530385	292	10032	NA	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	13.00	Yes		
10/28/81 13530385	292	10032	NA	PHOSPHORIC ACID	Chemclene	1.00	Yes		
12/17/81 13530394	318	10117	PAA 1094494	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	12.00	Yes		
2/2/82 13530403	341	10201	PAA 1094505	WASTE 1,1,1 TRICHLORETHANE & PERCHLOROETH	Chemclene	11.00	Yes		
3/15/82 13530412	368	10310	PAA 3748242	WASTE 1,1,1 TRICHLORETHANE & PERCHLOROETH	Chemclene	9.00	Yes		
3/15/82 13530412	368	10310	PAA 3748242	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	2.00	Yes		
5/20/82 13530425	406	10456	PAA 3748253	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	1.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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**PRP Name: Total Recovery**

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

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PRP Name: Vishay Resistive Systems

7/21/97

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
1/27/86	13980015	1607		PAB2262514	TRICHLOROETHANE	Chemclene	2.00	Yes		
1/27/86	13980024	1608		PAB2262514	XYLENE, BUTYL ACETATE & METHANOL	Chemclene	10.00	Yes		
7/24/86	13980033	1807		PAB 2261980	MIXED FLAMMABLE LIQUID	Chemclene	1.00	Yes		
7/24/86	13980042	1808		PAB 2261980	MIXED FLAMMABLE WASTE SOLIDS	Chemclene	6.00	Yes		
10/3/86	13980068	1889		PAB2262503	XYLENE, BUTYL ACETATE & METHANOL	Chemclene	5.00	Yes		
10/3/86	13980052	1890		PAB2262503	TRICHLOROETHANE	Chemclene	1.00	Yes		
1/28/87	13980075	2005		PAB3051650	MIXED FLAMMABLE LIQUID	Chemclene	4.00	Yes		
1/28/87	13980083	2006		PAB3051650	TRICHLOROETHANE	Chemclene	1.00	Yes		
6/12/87	13980093	2150		PAB4770323	XYLENE, BUTYL ACETATE, METHANOL	Chemclene	11.00	Yes		
9/18/87	13980103	2239		PAB4770953	TRICHLOROETHANE	Chemclene	1.00	Yes		
9/18/87	13980113	2240		PAB4770953	XYLENE, BUTYL ACETATE, METHANOL	Chemclene	5.00	Yes		
12/16/87	13980143	2334		PAB5248891	OIL	Chemclene	1.00	Yes		
12/16/87	13980153	2335		PAB5248891	XYLENE, BUTYL ACETATE, METHANOL	Chemclene	8.00	Yes		
12/16/87	13980173	2336		PAB5248891	TRICHLOROETHANE	Chemclene	1.00	Yes		
2/18/88	13980163	2401		PAB5249414	TRICHLOROETHANE	Chemclene	1.00	Yes		
2/18/88	13980173	2402		PAB5249414	XYLENE, BUTYL ACETATE, METHANOL	Chemclene	5.00	Yes		

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4/5/88	1398018	2457		PAB5249742	XYLENE, BUTYL ACETATE, METHANOL, TRICHLOR	Chemclene	4.00	Yes		
5/17/88	1398020	2508		PAB5250066	OIL	Not Determined	1.00	Yes		
5/17/88	1398019	5468		NA	EMPTY DRUMS	Chemclene	8.00	No		
5/20/88	1398021	2511		PAB5250092	TRICHLOROETHANE	Chemclene	1.00	Yes		
5/20/88	1398023	2512		PAB5250092	CHLORIDE, FLAMMABLE LIQUID	Chemclene	5.00	Yes		
8/8/88	1398023	2579		PAB5250420	MIXED FLAMMABLE LIQUID	Not Determined	7.00	Yes		
8/8/88	1398024	2580		PAB5250420	TRICHLOROETHANE	Chemclene	2.00	Yes		
10/14/88	1398025	2632		PAB5726674	TRICHLOROETHANE	Chemclene	1.00	Yes		
10/14/88	1398027	2633		PAB5726674	FLAMMABLE MIXTURE	Not Determined	8.00	Yes		
10/14/88	1398029	2634		PAB5726674	PHOTORESIST STRIPPER	Chemclene	1.00	Yes		
10/14/88	1398028	2635		PAB5726674	OIL	Chemclene	2.00	Yes		
11/28/88	1398031	2704		PAB5911684	CHLORIDE	Chemclene	5.00	Yes		
11/28/88	1398030	2705		PAB5911684	TRICHLOROETHANE	Chemclene	1.00	Yes		
1/19/89	1398032	2757		PAB 5911990	TRICHLOROETHANE	Chemclene	2.00	Yes		
1/19/89	1398033	2758		PAB 5911990	TOLUENE,BUTYL ACETATE,XYLENE,	Chemclene	4.00	Yes		
3/17/89	1398035	2817		PAB 5912340	TRICHLOROETHANE	Chemclene	1.00	Yes		

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3/17/89	1398034	2818		PAB 5912340	MIXED FLAMMABLE LIQUID	Chemclene	5.00	Yes		
5/8/89	1398037	2882		PAB 5910811	TOLUENE, BUTYL ALCOHOL, XYLENE, METHYL ET	Chemclene	6.00	Yes		
5/8/89	1398039	2883		PAB 5910811	TRICHLOROETHANE	Chemclene	3.00	Yes		
6/26/89	1398038	2951		PAB 5911216	TRICHLOROETHANE	Chemclene	1.00	Yes		
6/26/89	1398041	2952		PAB 5911216	OIL	Chemclene	1.00	Yes		
6/26/89	1398040	2953		PAB 5911216	MIXED FLAMMABLE LIQUID	Not Determined	3.00	Yes		
6/26/89	1398039	5785		NA	EMPTY DRUMS	Chemclene	15.00	No		
8/23/89	1398042	3001		PADI280156	TRICHLOROETHANE	Chemclene	1.00	Yes		
8/23/89	1398043	3002		PADI280156	MIXED FLAMMABLE LIQUID	Chemclene	6.00	Yes		
8/23/89	1398044	3003		PADI280156	OIL	Chemclene	2.00	Yes		
10/18/89	1398045	3064		PACI280414	TRICHLOROETHANE	Chemclene	2.00	Yes		
10/18/89	1398046	3065		PACI280414	CHLORIDE	Chemclene	2.00	Yes		
1/19/90	1398047	3158		PACI787015	TOLUENE, BUTYL ACETATE, XYLENE, BUTYL CELL	Not Determined	5.00	Yes		
1/26/90	1398048	6840		NA	TRICHLOROETHANE	Chemclene	0.09	Yes		
3/6/90	1398049	3202		PACI78041	TOLUENE, BUTYL ACETATE, B.CELLUSOLVE	Chemclene	4.00	Yes		
4/16/90	1398050	3242		PACI670734	MIXED FLAMMABLE LIQUID	Not Determined	4.00	Yes		

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Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
5/23/90	13980515	3271		PAC1670896	TRICHLOROETHANE & WATER	Chemclene	1.00	Yes		
5/23/90	13980533	3272		PAC1670896	TOLUENE, BUTYL ACETATE, B,CELLUSOLVE	Not Determined	5.00	Yes		
8/6/90	13980543	3341		PAC2937126	TRICHLOROETHANE	Chemclene	2.00	Yes		
8/6/90	13980543	3341		PAC2937126	EMPTY DRUMS	Chemclene	3.00	No		
8/6/90	13980559	3342		PAC2937126	MIXED FLAMMABLE LIQUID	Chemclene	5.00	Yes		
9/25/90	13980573	3384		PAC2937491	TRICHLOROETHANE	Chemclene	5.00	Yes		
9/25/90	13980564	3385		PAC2937491	MIXED FLAMMABLE LIQUID	Not Determined	2.00	Yes		
12/3/90	13980588	3419		PAC2937712	MIXED FLAMMABLE LIQUID	Chemclene	4.00	Yes		
12/3/90	13980591	3420		PAC2937712	PHOTORESIST STRIPPER	Chemclene	1.00	Yes		
12/3/90	13980602	3421		PAC2937712	TRICHLOROETHANE	Chemclene	1.00	Yes		
1/22/91	13980631	3459		PAC2937966	TRICHLOROETHANE	Chemclene	2.00	Yes		
1/22/91	13980623	3460		PAC2937966	OIL	Chemclene	1.00	Yes		
1/22/91	13980632	3461		PAC2937966	MIXED FLAMMABLE LIQUID	Chemclene	5.00	Yes		
4/2/91	13980640	0		PAC2938305	EMPTY DRUM (PLASTIC LINED)	Chemclene	1.00	No		
4/2/91	13980644	3506		PAC2938305	VACUUM OIL	Chemclene	1.00	Yes		
4/2/91	13980643	3507		PAC2938305	TRICHLOROETHANE	Chemclene	2.00	Yes		

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4/2/91 1398068	3508		PAC2938305	MIXED FLAMMABLE LIQUID	Not Determined	7.00	Yes		
5/21/91 1398068	0		PAC2938644	EMPTY DRUMS	Not Determined	2.00	No		
5/21/91 1398069	3541		PAC2938644	MIXED FLAMMABLE LIQUID	Chemclene	4.00	Yes		
5/21/91 1398071	3542		PAC2938644	TRICHLOROETHANE	Not Determined	1.00	Yes		
5/21/91 1398070	3543		PAC2938644	NON-HAZARDOUS WATER	Chemclene	1.00	Yes		
7/16/91 1398073	3569		PAC2938832	TRICHLOROETHANE	Chemclene	1.00	Yes		
7/16/91 1398072	3570		PAC2938832	TOLUENE, BUTYL ACETATE, XYLENE & METHYL E	Chemclene	3.00	Yes		
8/12/91 1398075	3597		PAC4868290	WATER	Not Determined	1.00	Yes		
8/12/91 1398075	3597		PAC4868290	EMPTY DRUM (PLASTIC LINED)	Cycle Chem, Inc.	1.00	No		
8/12/91 1398074	3598		PAC4868290	MIXED FLAMMABLE SOLVENTS	Chemclene	4.00	Yes		
8/12/91 1398075	3599		PAC4868290	TRICHLOROETHANE	Chemclene	1.00	Yes		
9/11/91 1398077	3618		NJA1026963	CORROSIVE FLAMMABLE LIQUID	Chemclene	1.00	Yes		
9/11/91 1398078	3619		PAC4868485	MIXED FLAMMABLE LIQUID	Chemclene	3.00	Yes		
9/11/91 1398079	3620		PAC4868485	TRICHLOROETHANE	Not Determined	1.00	Yes		
10/24/91 1398080	7331		NA	EMPTY DRUMS	Chemclene	4.00	No		
10/24/91 1398080	7328		NA	EMPTY DRUMS	Not Determined	3.00	No		

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10/31/91	1398081	3650		PAC4868721	OIL	Not Determined	1.00	Yes		
10/31/91	1398081	3650		PAC4868721	EMPTY DRUMS	Chemclene	6.00	No		
10/31/91	1398082	3651		PAC4868721	MIXED FLAMMABLE LIQUID	Chemclene	5.00	Yes		
10/31/91	1398083	3652		PAC4868721	TRICHLOROETHANE	Chemclene	1.00	Yes		
1/14/92	1398084	3695		PAC4869071	MIXED FLAMMABLE LIQUID	Chemclene	4.00	Yes		
1/14/92	1398085	3696		PAC4869071	TRICHLOROETHANE	Chemclene	2.00	Yes		
2/20/92	1398086	3734		PAC4869185	TRICHLOROETHANE	Not Determined	2.00	Yes		
2/20/92	1398086	3734		PAC4869185	EMPTY DRUMS	Chemclene	6.00	No		
2/20/92	1398087	3735		PAC4869185	MIXED FLAMMABLE LIQUID	Chemclene	2.00	Yes		
4/27/92	1398088	3790		PAC6119713	MIXED FLAMMABLE LIQUID	Chemclene	4.00	Yes		
6/17/92	1398089	3827		PAC6119945	MIXED FLAMMABLE LIQUID	Chemclene	3.00	Yes		
6/17/92	1398090	3828		PAC6119945	OIL	Not Determined	1.00	Yes		

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4/16/74	1399001	5927		NA	TRICHLOROETHANE	Not Determined	19.00	Yes		
4/16/74	1399001	5927		NA	TRICHLOROETHANE	Not Determined	22.00	Yes		
11/7/74	1399002	7378		NA	TRICHLOROETHENE, CHLOROETHENE	Not Determined	22.00	Yes		
4/7/75	1399003	3751		NA	DIRTY 1-I-I	Not Determined	22.00	Yes		
4/7/75	1399003	3751		NA	DIRTY TRI	Not Determined	1.00	Yes		
6/3/75	1399004	3779		NA	DIRTY 1,I,I AND TRI	Not Determined	18.00	Yes		
12/16/75	1399005	3827		NA	TRICHLOROETHYLENE, CHLOROETHENE	Not Determined	19.00	Yes		
3/15/76	1399006	8904		NA	TRICLORETHYLENE	Not Determined	15.00	Yes		
3/15/76	1399006	8904		NA	TRICLORETHYLENE	Not Determined	20.00	Yes		
3/15/76	1399006	8904		NA	TRICLORETHYLENE	Not Determined	21.00	Yes		
3/11/77	1399007	1034	6547	NA	I,I,I TRICHLOROETHANE	Not Determined	7.70	No		
3/11/77	1399007	3827	6547	NA	I-I-I & TRI	Not Determined	19.00	Yes		
3/11/77	1399007	9354	6547	NA	TRI	Not Determined	1.00	Yes		
3/11/77	1399007	9354	6547	NA	I-I-I	Not Determined	19.00	Yes		
3/11/77	1399007	9386	6547	NA	I-I-I	Not Determined	15.00	Yes		
3/11/77	1399007	9452	6547	NA	I-I-I	Not Determined	21.00	Yes		

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5/26/77	1399009	1126	6646	NA	1,1,1 TRICHLOROETHANE	Not Determined	7.03	No		
5/26/77	1399009	9499	6646	NA	1-1-1	Not Determined	22.00	Yes		
7/28/77	1399010	4854	6718	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
7/28/77	1399010	4854	6718	NA	1,1,1 TRICHLOROETHANE	Not Determined	12.00	Yes		
7/28/77	1399010	1195	6718	NA	1,1,1 TRICHLORETHYLENE	Not Determined	7.26	No		
7/28/77	1399010	4854	6718	NA	TRICHLORETHYLENE	Not Determined	11.54	No		
3/1/78	1399012	3625	6981	NA	1,1,1 TRICHLOROETHANE	Not Determined	18.00	Yes		
3/1/78	1399012	1446	6981	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.62	No		
3/1/78	1399012	3625	6981	NA	TRICHLORETHYLENE	Not Determined	4.00	Yes		
6/6/78	1399014	4725	7115	NA	1,1,1 TRICHLOROETHANE	Not Determined	16.00	Yes		
6/6/78	1399014	1571	7115	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.02	No		
6/6/78	1399013	4725	7115	NA	OIL	Not Determined	1.00	Yes		
10/31/78	1399015	4785	7297	NA	ALCOHOL	Not Determined	2.00	Yes		
10/31/78	1399015	4785	7297	NA	TRICHLORETHYLENE	Not Determined	4.00	No		
10/31/78	1399015	4785	7297	NA	DIRTY 1,1,1 TRICHLOROETHANE	Not Determined	10.00	Yes		
10/31/78	1399015	4785	7297	NA	DIRTY TRI	Not Determined	3.00	Yes		

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4/24/79	1399016	4824	7498	NA	1,1,1 TRICHLOROETHANE	Not Determined	12.00	Yes		
4/24/79	1399017	9967	7498	NA	1,1,1 TRICHLOROETHANE	Not Determined	10.00	Yes		
6/21/79	1399018	9997	7586	NA	1,1,1 TRICHLOROETHANE	Not Determined	11.00	Yes		
6/21/79	1399018	1999	7586	NA	1,1,1 TRICHLOROETHANE	Not Determined	8.76	No		
3/26/80	1399022	924	7930	NA	TRICHLORETHYLENE	Not Determined	2.00	Yes		
3/26/80	1399021	9693	7930	NA	1,1,1 TRICHLOROETHANE	Not Determined	10.00	Yes		
3/26/80	1399019	9920	7930	NA	TRICHLORETHYLENE	Not Determined	1.00	Yes		
3/26/80	1399020	9950	7930	NA	TRICHLORETHYLENE	Not Determined	3.00	Yes		
3/26/80	1399023	2344	7930	NA	1,1,1 TRICHLOROETHANE	Not Determined	8.31	No		
3/26/80	1399022	924	7930	NA	1,1,1 TRICHLOROETHANE	Not Determined	10.00	Yes		
3/26/80	1399019	9920	7930	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.00	Yes		
3/26/80	1399020	9950	7930	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.00	Yes		
5/23/80	1399024	27		NA	1-I-1	Chemclene	14.00	Yes		
5/23/80	1399024	27		NA	TRICHLOR	Chemclene	3.00	Yes		
6/20/80	1399025	43		NA	DIRTY CHLOROTHENE	Chemclene	5.00	Yes		
9/3/80	1399026	76	8129	NA	TRICHLORETHYLENE	Chemclene	2.00	Yes		

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9/3/80	13990263	76	8129	76	1,1,1 TRICHLOROETHANE	Chemclene	11.00	Yes		
10/14/80	13990275	92	8197	NA	WASTE SOLVENT	Chemclene	11.00	Yes		
11/11/80	13990283	105	8239	NA	MIXED SOLVENTS	Chemclene	27.00	Yes		
11/15/80	13990293	110	8251	NA	MIXED SOLVENTS	Chemclene	9.00	Yes		
11/21/80	13990301	111	8262	NA	DIRTY 1-1-1	Chemclene	14.00	Yes		
1/29/81	13990311	131	8363	PAA0214281	1-1-1	Chemclene	15.00	Yes		
1/29/81	13990313	131	8363	NA	METHYL ETHYL KETONE	Chemclene	1.00	Yes		
1/29/81	13990313	131	8363	NA	ETHYL ALCOHOL	Chemclene	2.00	Yes		
1/29/81	13990313	131	8363	NA	TRI	Chemclene	2.00	Yes		
1/29/81	13990313	131	8363	NA	LACQUER THINNER	Chemclene	2.00	Yes		
3/11/81	13990323	146	8427	NA	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	11.00	Yes		
4/23/81	13990332	171	8520	NA	1-1-1	Not Determined	13.00	Yes		
4/23/81	13990332	171	8520	NA	TRICHLOR	Not Determined	1.00	Yes		
6/9/81	13990343	201	8631	PAA 0213312	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	10.00	Yes		
7/8/81	13990353	221	8683	PAA 0213323	WASTE SOLVENT	Chemclene	11.00	Yes		
7/21/81	13990363	229	8702	PAA 0213334	WASTE 1,1,1	Chemclene	4.00	Yes		

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7/21/81	1399036	229	8702	PAA 0213334	METHYL ETHYL KETONE	Chemclene	1.00	Yes		
7/21/81	1399036	229	8702	PAA 0213334	ETHYL ALCOHOL	Chemclene	1.00	Yes		
7/21/81	1399036	229	8702	PAA 0213334	LACQUER THINNER	Chemclene	3.00	Yes		
7/21/81	1399036	229	8702	PAA 0213334	WASTE OIL	Chemclene	6.00	Yes		
8/21/81	1399037	245	8770	PAA 0213356	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	11.00	Yes		
8/21/81	1399037	2951	8770	NA	1,1,1 TRICHLOROETHANE	Not Determined	6.26	No		
9/29/81	1399039	273	8846	PAA 0213360	TRI	Chemclene	1.00	Yes		
9/29/81	1399039	273	8846	PAA 0213360	1-1-1	Chemclene	11.00	Yes		
11/4/81	1399040	299	10048	PAA 0213404	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	13.00	Yes		
12/22/81	1399041	322	10127	PAA 0213415	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	10.00	Yes		
2/4/82	1399042	342	10214	PAA 0213426	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
2/4/82	1399042	342	10214	PAA 0213426	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	11.00	Yes		
3/18/82	1399043	370	10326	PAA 0213430	WASTE METHYL ETHYL KETONE	Chemclene	2.00	Yes		
3/18/82	1399043	370	10326	PAA 0213430	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	12.00	Yes		
3/18/82	1399043	370	10326	PAA 0213430	WASTE LACQUER THINNER	Chemclene	3.00	Yes		
3/18/82	1399043	370	10326	PAA 0213430	WASTE ETHYL ALCOHOL	Chemclene	3.00	Yes		

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4/28/82	1399044		10409	PAA 0213485	CORROSIVE LIQUID	Not Determined	6.00	Yes		
4/28/82	1399044		10409	PAA 0213485	CORROSIVE SOLID (SODIUM HYDROXIDE)	Not Determined	4.00	Yes		
4/28/82	1399045	391	10410	PAA 0213463	WASTE LACQUER THINNER	Chemclene	1.00	Yes		
4/28/82	1399045	391	10410	PAA 0213463	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	13.00	Yes		
4/28/82	1399044	0	10409	PAA 0213485	OKITE 100	Not Determined	11.00	Yes		
4/30/82	1399046	395	10414	NA	WASTE LUBRICATING OIL	Chemclene	7.00	Yes		
7/14/82	1399047	438	10569	PAA 0213511	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
7/14/82	1399047	438	10569	PAA 0213511	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	19.00	Yes		
1/5/83	1399048	532	10949	PAA 0213566	WASTE TRICHLORETHYLENE	Chemclene	1.00	Yes		
1/5/83	1399048	532	10949	PAA 0213566	WASTE TRICHLORETHYLENE	Chemclene	7.00	Yes		
1/5/83	1399048	532	10949	PAA 0213566	NON HAZARDOUS WASTE OIL	Chemclene	4.00	Yes		
3/1/83	1399049	567	11083	PAA 0213581	WASTE METHYL ETHYL KETONE	Chemclene	1.00	Yes		
3/1/83	1399049	567	11083	PAA 0213581	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	11.00	Yes		
3/1/83	1399049	567	11083	PAA 0213581	WASTE LACQUER THINNER	Chemclene	1.00	Yes		
3/1/83	1399049	567	11083	PAA 0213581	WASTE ETHYL ALCOHOL	Chemclene	1.00	Yes		
4/22/83	1399050	608	11179	PAA 4766366	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	9.00	Yes		

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4/22/83	13990503	608	11179	PAA 4766366	WASTE ACETIC ACID	Chemclene	1.00	Yes		
4/22/83	13990503	608	11179	PAA 4766366	WASTE SODIUM HYDROXIDE	Chemclene	1.00	Yes		
4/22/83	13990503	608	11179	PAA 4766366	WASTE NITRIC AND DICHROMATE	Chemclene	1.00	Yes		
4/22/83	13990504	608	11179	PAA 4766366	WASTE HYDROCHLORIC ACID	Chemclene	3.00	Yes		
4/22/83	13990504	608	11179	PAA 4766366	WASTE HYDROFLUORIC ACID	Chemclene	3.00	Yes		
6/6/83	13990513	642	11297	PAA 4766926	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	9.00	Yes		
6/6/83	13990513	642	11297	PAA 4766926	WASTE ETHYL ALCOHOL	Chemclene	1.00	Yes		
6/6/83	13990513	642	11297	PAA 4766926	WASTE LACQUER THINNER	Chemclene	1.00	Yes		
6/6/83	13990513	642	11297	PAA 4766926	WASTE METHYL ETHYL KETONE	Chemclene	1.00	Yes		
7/11/83	13990523		11415	NA	RED PHOSPHORUS	Not Determined	0	Yes		
7/11/83	13990523		11415	NA	PEROXIDE FLOURIDE SOLUTION	Not Determined	0	Yes		
7/11/83	13990523		11415	NA	BENZYL PEROXIDE	Not Determined	0	Yes		
7/11/83	13990523		11415	NA	NITRO CELLULOSE	Not Determined	0	Yes		
7/11/83	13990523		11415	NA	DIOXANE	Not Determined	0	Yes		
7/11/83	13990523		11415	NA	OXIDIZER LABPACKS	Not Determined	0.02	Yes		
7/11/83	13990523		11415	NA	WASTE ZIRCONIUM POWDER	Not Determined	0.09	Yes		

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7/11/83	13990523		11415	NA	WASTE ZINC CYANIDE	Not Determined	0.18	Yes		
7/11/83	13990523		11415	NA	WASTE COPPER SULFATE, SODIUM PHOSPHATE	Not Determined	0.18	Yes		
7/11/83	13990523		11415	NA	WASTE SODIUM PHOSPHATE	Not Determined	0.18	Yes		
7/11/83	13990523		11415	NA	WASTE CADMIUM OXIDE	Not Determined	0.18	Yes		
7/11/83	13990523		11415	NA	POISONOUS LABPACKS	Not Determined	0.18	Yes		
7/11/83	13990523		11415	NA	FLAMMABLE LABPACKS	Not Determined	0.20	Yes		
7/11/83	13990523		11415	NA	CORROSIVE LABPACKS	Not Determined	0.29	Yes		
7/11/83	13990523		11415	NA	WASTE CADMIUM CYANIDE	Not Determined	0.36	Yes		
7/11/83	13990523		11415	NA	WASTE HYDROCHLORIC ACID	Not Determined	0.36	Yes		
7/11/83	13990523		11415	NA	WASTE CHROMIC ACID, PHOSPHORIC ACID	Not Determined	0.36	Yes		
7/11/83	13990523		11415	NA	WASTE MINERAL SPIRITS	Not Determined	0.36	Yes		
7/11/83	13990523		11415	NA	WASTE ACETIC ACID	Not Determined	0.36	Yes		
7/11/83	13990523		11415	NA	WASTE OKITE	Not Determined	0.36	Yes		
7/11/83	13990523		11415	NA	WASTE SULFURIC ACID, NICKEL SULFATE SOLUTION	Not Determined	0.55	Yes		
7/11/83	13990523		11415	NA	WASTE HYDROCHLORIC AND SULFURIC ACIDS	Not Determined	1.00	Yes		
7/11/83	13990523		11415	NA	WASTE SULFURIC ACID, NICKEL SULFATE SOLUTION	Not Determined	1.00	Yes		

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Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
7/11/83	1399052		11415	NA	WASTE CHROMIC ACID, ZINC SULFATE SOLUTION	Not Determined	1.09	Yes		
7/11/83	1399052		11415	NA	WASTE CHROMIC ACID, ZINC SULFATE SOLUTION	Not Determined	1.09	Yes		
7/11/83	1399052		11415	NA	WASTE COPPER CYANIDE SOLUTION	Not Determined	2.00	Yes		
8/9/83	1399054	691	11450	PAA 4767420	WASTE PETROLEUM DISTILLATE	Chemclene	1.00	Yes		
8/9/83	1399054	691	11450	PAA 4767420	WASTE ETHYLENE DICHLORIDE	Chemclene	1.00	Yes		
8/9/83	1399053	691	11450	PAA 4767420	WASTE FLUX OIL	Chemclene	1.00	Yes		
8/9/83	1399054	691	11450	PAA 4767431	WASTE OIL	Chemclene	11.00	Yes		
11/30/83	1399056	2987		NA	WASTE COPPER CYANIDE SOLUTION	Not Determined	1.00	Yes		
5/30/84	1399057	978		PAA 0213603	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	12.00	Yes		
8/28/84	1399058	1072	12355	NA	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	15.00	Yes		
8/28/84	1399059	4113	12355	NA	1,1,1 TRICHLOROETHANE	Not Determined	7.26	No		
11/3/87	1399900	2291	14661	PAB 4771491	WASTE OIL	Chemclene	7.00	Yes		
11/3/87	1399900	2292	14661	PAB 4771491	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	6.00	Yes		
3/29/88	1399901	2450	14938	PAB 5249672	WASTE OIL	Chemclene	2.00	Yes		
3/29/88	1399901	2451	14938	PAB 4771491	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	7.00	Yes		
9/2/88	1399902	2595	15206	PAB 4771325	WASTE 1,1,1 TRICHLOROETHANE	Chemclene	4.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Viz Manufacturing

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
9/2/88	1399902	2596	15206	PAB 4771325	WASTE OIL	Chemclene	5.00	Yes		
6/9/89	1399067	2921	15685	PAB 5911054	WASTE OIL	Not Determined	2.00	Yes		
6/9/89	1399066	2922	15685	PAB 5911054	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
9/18/89	1399068	3035	15890	PAC 1280252	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	2.00	Yes		
1/15/90	1399069	3155	16123	PAC 1280996	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
1/15/90	1399070	3156	16123	PAC 1280996	WASTE OIL & WATER	Not Determined	2.00	Yes		
3/26/90	1399071	3220	16247	PAC 1671375	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
3/26/90	1399072	3221	16247	PAC 1671375	WASTE LUBE OIL	Not Determined	2.00	Yes		
7/12/90	1399074	3320	16467	PAC1671106	WASTE LUBE OIL	Not Determined	1.00	Yes		
7/12/90	1399073	3322	16467	PAC1671106	WASTE 1,1,1 TRICHLOROETHANE & WATER	Not Determined	1.00	Yes		
2/6/91	1399076	3477	16833	PAC2938073	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
2/6/91	1399075	3478	16833	PAC2938073	WASTE OIL	Not Determined	1.00	Yes		
7/30/91	1399077	3587	17082	PAC2938946	WASTE OIL	Not Determined	2.00	Yes		
7/30/91	1399078	3588	17082	PAC2938946	WASTE 1,1,1 TRICHLOROETHANE	Not Determined	1.00	Yes		
8/5/91	1399079	7265	17090	NA	1,1,1 TRICHLOROETHANE	Not Determined	3.00	No		
3/20/92	1399081	3758	17430	PAC1789955	WASTE LUBE OIL	Not Determined	4.00	Yes		

## **Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

DRAFT  
7/21/97

**PRP Name:** Viz Manufacturing

**Researcher Initials:**

**Data Entry Initials:**

**Date of Data Entry:**

**Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

**DRAFT**  
**7/21/97**

PRP Name: Western Electric

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
8/25/75	1405001	3865		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
4/23/75	1405002	3759		NA	DIRTY TRICHLORETHYLENE	Not Determined	4.00	Yes		
5/21/75	1405003	3774		NA	DIRTY TRICHLORETHYLENE	Not Determined	20.00	Yes		
5/27/75	1405004	3775		NA	DIRTY TRICHLORETHYLENE	Not Determined	20.00	Yes		
5/28/75	1405005	3776		NA	DIRTY TRICHLORETHYLENE	Not Determined	20.00	Yes		
6/24/75	1405006	3787		NA	DIRTY TRICHLORETHYLENE	Not Determined	35.00	Yes		
7/27/75	1405007	3797		NA	DIRTY TRICHLORETHYLENE	Not Determined	20.00	Yes		
8/7/75	1405008	3857		NA	RECLAIMED TRICHLORETHYLENE	Not Determined	13.36	No		
8/7/75	1405008	3857		NA	DIRTY TRICHLORETHYLENE	Not Determined	20.00	Yes		
8/25/75	1405009	3865		NA	DIRTY TRICHLORETHYLENE	Not Determined	20.00	Yes		
9/17/75	1405010	3879		NA	TRICHLORETHYLENE	Not Determined	33.00	Yes		
10/9/75	1405011	3894		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
10/24/75	1405012	3804		NA	DIRTY TRICHLORETHYLENE	Not Determined	20.00	Yes		
11/13/75	1405013	3811		NA	RECLAIMED TRICHLORETHYLENE	Material Reclai	9.82	No		
11/13/75	1405013	3811		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
12/5/75	1405014	3823		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Western Electric

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
12/10/75	1405016							No		
12/10/75	1405017	3824		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
1/7/76	1405017	3834		NA	RECLAIMED TRICHLORETHYLENE	Material Reclai	11.82	No		
1/7/76	1405017	3834		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
2/18/76	1405018	3847		NA	TRICHLORETHYLENE	Not Determined	63.00	Yes		
3/19/76	1405019	9358		NA	TRICHLORETHYLENE	Not Determined	40.00	Yes		
4/20/76	1405020	9369		NA	TRICHLORETHYLENE	Not Determined	41.00	Yes		
5/21/76	1405021	9377		NA	TRICHLORETHYLENE	Not Determined	40.00	Yes		
6/23/76	1405022	9390		NA	DIRTY TRICHLORETHYLENE	Not Determined	20.00	Yes		
7/13/76	1405023	9396		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
8/3/76	1405024	9404		NA	TRICHLORETHYLENE	Not Determined	41.00	Yes		
8/24/76	1405025	9413		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
9/20/76	1405026	9424		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
9/27/76	1405027	9427		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
3/8/77	1405028	9438		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
3/8/77	1405029	9445		NA	TRICHLORETHYLENE	Not Determined	19.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: Western Electric

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
3/8/77	1405028	9451		NA	TRICHLORETHYLENE	Not Determined	18.00	Yes		
3/8/77	1405030	9488		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
3/8/77	1405032	9434		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
3/16/77	1405036	9459		NA	TRICHLORETHYLENE	Not Determined	21.00	Yes		
3/24/77	1405037	9467		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
4/2/77	1405038	9473		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
4/2/77	1405039	9479		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
5/20/77	1405041	9489		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
5/24/77	1405042	9493		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
6/24/77	1405043	3510		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
8/2/77	1405044	3520		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
8/5/77	1405045	3528		NA	TRICHLORETHYLENE	Not Determined	19.00	Yes		
9/13/77	1405046	3541		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
9/13/77	1405047	3545		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
9/28/77	1405049	3548		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
10/7/77	1405050	4857		NA	TRICHLORETHYLENE	Not Determined	21.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: Western Electric

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
10/14/77	14050514	4861		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
10/31/77	14050522	4866		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
11/7/77	14050533	4872		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
11/23/77	14050535	4878		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
11/23/77	14050544	4884		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
12/8/77	14050559	4886		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
12/8/77	14050581	4896		NA	TRICHLORETHYLENE	Not Determined	21.00	Yes		
1/6/78	14050623	3606		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
1/6/78	14050615	4900		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
1/30/78	14050644	3609		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
2/2/78	14050650	3617		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
2/14/78	14050693	3619		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
3/3/78	14050675	3627		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
3/23/78	14050683	3633		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
5/11/78	14050696	3640		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
7/18/78	14050702	4706		NA	TRICHLORETHYLENE	Not Determined	44.00	Yes		

Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT  
7/21/97

PRP Name: Western Electric

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
8/1/78	1405073	4713		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
8/1/78	1405072	4724		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
8/1/78	1405071	4729		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
8/31/78	1405077	4762		NA	TRICHLORETHYLENE	Not Determined	23.00	Yes		
10/5/78	1405080	4740		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
10/5/78	1405079	4745		NA	TRICHLORETHYLENE	Not Determined	14.00	Yes		
10/5/78	1405082	4750		NA	TRICHLORETHYLENE	Not Determined	17.00	Yes		
10/30/78	1405083	4756		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
10/30/78	1405084	4771		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
11/17/78	1405085	4781		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
11/17/78	1405086	4787		NA	TRICHLORETHYLENE	Not Determined	19.00	Yes		
12/31/78	1405087	4794		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		
12/31/78	1405088	4808		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
1/27/79	1405089	4813		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
3/3/79	1405090	4817		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
3/3/79	1405091	4820		NA	TRICHLORETHYLENE	Not Determined	20.00	Yes		

# Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality

DRAFT

7/21/97

PRP Name: Western Electric

Researcher Initials:

Data Entry Initials:

Date of Data Entry:

Invoice Date	Document ID	Order Number	Invoice Number	Manifest Number	Waste Description	TSD Facility	Quantity	Counted Toward Ranking	Change Completed	Comments
3/10/79	1405092	4830		NA	TRICHLORETHYLENE	Not Determined	17.00	Yes		
3/10/79	1405093	4838		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
3/21/79	1405094	9960		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
3/28/79	1405095	9968		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
4/4/79	1405096	9971		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
4/18/79	1405097	9978		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
5/2/79	1405098	9981		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
5/16/79	1405099	9988		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
5/30/79	1405100	9998		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
6/14/79	1405101	9903		NA	TRICHLORETHYLENE	Not Determined	23.00	Yes		
6/27/79	1405102	9908		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
7/11/79	1405103	9916		NA	TRICHLORETHYLENE	Not Determined	17.00	Yes		
7/25/79	1405104	9921		NA	TRICHLORETHYLENE	Not Determined	19.00	Yes		
8/15/79	1405105	9931		NA	WASTE TRICHLORETHYLENE	Not Determined	20.00	Yes		
8/24/79	1405106	9932		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		
9/13/79	1405107	9940		NA	TRICHLORETHYLENE	Not Determined	22.00	Yes		

## **Malvern TCE Superfund Site: Comprehensive Transaction Report for Data Quality**

DRAFT  
7/21/97

PRP Name: Western Electric

**Researcher Initials:**

**Data Entry Initials:**

Date of Data Entry:

# CHEMCLENE CORPORATION

BOX 28, R. D. #1  
MALVERN, PENNSYLVANIA 19355  
215 - 644-2986

INVOICE NO.

8033

Sold to: Western Electric Company  
Allentown, PA

Date of Invoice: 9 July 1980

Your Order Number: AL 201804

Terms: Net 30 days

Delivery Ticket No.: ALA Manifest 13787

PERCHLORETHYLENE	lb. net @	
TRICHLORETHYLENE	lb. net @	
METHYLENE CHLORIDE	lb. net @	
1,1,1 TRICHLOROETHANE	lb. net @	

PAID

CHECK No. 713751

DATE 14 Aug 80

Disposal of 80 drums of waste trichloroethylene and chlorinated still bottoms from same.

Pa. sales tax = 360.00  
TOTAL DUE..... \$ 6,360.00

# STATE OF ALABAMA HAZARDOUS WASTE MANIFEST

TICKET # 13787

RESOURCE TECHNOLOGY PRODUCER'S  
JOB NO. 76-1-80 COPY NO. 1

All Blanks Must Be Filled In.

I. Producer of Waste (Must be filled by Producer).

Name of Firm: CHEMCLINE CORP.

MALVERN, PA

SIC Code No.:

Pick-Up Address:

Telephone Number: 215-644-2986

Contract Number: COL6254

Order Placed By:

RESOURCE TECHNOLOGY SERVICES

Date: 5/27 19 80

Waste Information: 215-687-4592

No. of Units	Container TYPE	Description of Waste	DOT shipping Classification	Total Qty.	Weight
1. 80	DRUMS	Chlorinated Still Bottoms from	Poison B		
2.					
3.		Western Electric			

List all pertinent information related to spills or other emergencies involving above stated wastes (i.e., potential dangers, best clean-up techniques).

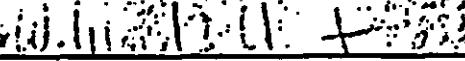
1. DAM UP TO PREVENT FLOWOFF
2. SHOVEL UP CONTAMINATED SOIL AND DEBRIS
3. AVOID SKIN CONTACT
- 4.

YES NO

Are there any handling risks with material?   If yes, list all potential handling risks related to materials (i.e., dermal, oral, inhaled, LD<sub>50</sub>, T<sub>LC</sub><sub>50</sub>).

1. DO NOT INGEST
2. DO NOT BREATHE VAPORS
3. AVOID SKIN CONTACT
- 4.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

  
Signature of Authorized Agent and Title

II. Hauler of Waste (Must be filled by Hauler).

Name: JONATHAN DRUM CO.

Address: BERLIN, NJ

Telephone Number: (215) 687-4592

State Hazardous Waste Hauler Registration Number (if applicable):

Pick-Up Date: 5/27 19 80 Time: AM PM

Job No.: Number of Loads or Trips Unit:

TYPE Vehicle:  Vacuum Truck  Flatbed  Dump Truck Barrels

Other VAC TRUCK

YES NO Specify

Were any problems encountered in transporting?   If yes list all problems.

The above waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

  
Signature of Authorized Agent and Title

III. Disposer of Waste (Must be filled by Disposer).

Name: WASTE MANAGEMENT/D.B.A. RESOURCE INDUSTRIES

Disposal Site Address:

Telephone Number:

Waste Arrived: Date 19 Time AM PM

Quantity Received: barrels, gallons, Cu. Ft.

Handling Method(s):

- Recovery
- Treatment (specify)
- Disposal (specify)  Lagoon  Landfill  other

If waste is held for disposal elsewhere, specify final location:

Disposal Date: 19

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

  
Signature of Authorized Agent and Title

**STATE OF ALABAMA  
HAZARDOUS WASTE MANIFEST**

TICKET # 13787

RESOURCES TECHNOLOGY PRODUCER'S  
JOB NO. 71-1-80 COPY NO. 2

All Blanks Must Be Filled In

I. Producer of Waste (Must be filled by Producer).

Name of Firm: CHIEMCLENE CORP. SIC Code No.: 5411  
MALVERN, PA

Pick-Up Address: 215, 644-2986

Telephone Number: (215) 644-2986 Contract Number: CW/KC

Order Placed By: RESOURCE TECHNOLOGY SERVICES Date: 5/27, 1987

Waste Information: 215-687-4592

No. of Units	Container TYPE	Description of Waste	DOT shipping Classification*	Total Qty.	Weight
80	DRUMS	Chlorinated Still Bottoms from Western Electric	Poison B		
2					
2					

List all pertinent information related to spills or other emergencies involving above stated wastes (i.e., potential dangers, best clean-up techniques).

1. DAM UP TO PREVENT RUNOFF
2. SHOVEL UP CONTAMINATED SOIL AND DEBRIS
3. AVOID SKIN CONTACT
4. \_\_\_\_\_

YES NO

Are there any handling risks with materials?   If yes, list all potential handling risks related to materials (i.e., dermal, oral, inhaled, LD<sub>50</sub>, TLV).

1. DO NOT INGEST
2. DO NOT BREATHE VAPORS
3. AVOID SKIN CONTACT
4. \_\_\_\_\_

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

xW.H.13.11. A-1

Signature of Authorized Agent and Title

II. Hauler of Waste (Must be filled by Hauler).

Name: W.H.13.11. A-1 Telephone Number: (215) 687-4592

State Hazardous Waste Hauler Registration Number (if applicable): \_\_\_\_\_

Pick-Up Date: 5/27, 1987 Time: 1:00 AM PM

Job. No.: \_\_\_\_\_ Number of Loads or Trips \_\_\_\_\_ Unit # \_\_\_\_\_

TYPE Vehicle:  Vacuum Truck,  Flatbed,  Dump Truck  Barrels  
 Other VAN TRAILER

Specify YES NO

Were any problems encountered in transporting?   If yes list all problems.

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_

The above waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

John J. Schaeffer

Signature of Authorized Agent and Title

III. Disposer of Waste (Must be filled by Disposer).

Name: Federal Waste Disposal Industries

Disposal Site Address: Federal Waste Disposal Industries

Telephone Number: 562-9531

Waste Arrived: Date 5/27, 1987 Time 1:00 AM PM

Quantity Received: 50 barrels, 0 gallons, 0 Cu. Ft.

lbs.

Handling Method(s):

- Recovery  
 Treatment (specify) 10  
 Disposal (specify)  lagoon  landfill  other \_\_\_\_\_

If waste is held for disposal elsewhere, specify final location.

Disposal Date: 5/27, 1987

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

John J. Schaeffer

Signature of Authorized Agent and Title

# **CHEMCLENE CORP.**

MALVERN, PA. 19355

**PHONE (215)  
644-2986**

2411

P.O. # AL 20184

四 三

Date September 19, 19

Sold to WESTERN ELECTRIC, VOUCHER DEPT.  
Address P.O.BOX 1551, ALLENTHON 18101

AUTOMATICALLY  
PRINTED



**TO INSURE YOU  
OF ACCURACY**

MASTER RECEIPT

TEMPERATURE	WEIGHT	
YOUR SALE NO	GALLON READING - FINISH	10ms

DISPOSAL OF 10 DRUMS OF WASTE TRICHLOROETHYLENE - COPY OF MANIFEST ENCLOSED.

PREVIOUS SALE NO	GALLON READING - START		
GALLONS DELIVERED			
PRODUCT	GALLONS	PRICE	TOTAL AM.
PERCHLORETHYLENE			
TRICHLOROETHYLENE			
METHYLENE CHLORIDE			
10115-10000	10.000	\$ -	\$ 10.00

**CUSTOMER SIGN-UPS, CALLER DEMANDS**



**Western Electric**

ALLENTOWN WORKS

555 UNION BLVD.

ALLENTOWN, PA. 19103

CHEMCLENE CORPORATION  
BOX 26, R.D. 1  
MALVERN, PA. 19355

SUPPLIERS NO.
1J692

DRAFT NO.

DATE
8 08 80

### REMITTANCE ADVICE

222-200-2 One Inc Photo Some Inks Are Not Dye

INVOICE DATE	MEMO OR PURCHASE ORDER NO.	SUPPLIERS INVOICE NO.	GROSS	DEDUCTIONS		NET AMOUNT PAYABLE	C
				DISCOUNT	DEBIT MEMO		
7 09	201804	8053	6,360 00			6,360 00	<i>[Handwritten Signature]</i>
			6,360 00	00	00	6,360 00	<i>[Handwritten Signature]</i>

PAYMENT FOR THE ITEMS LISTED IS INCLUDED IN THE DRAFT ENCLOSED. IF ANY INVOICES ARE OMITTED PLEASE SEND STATEMENT LISTING OMITTED ITEMS

VOUCHER AUTHORITY

## RESOURCE TECHNOLOGY SERVICES, INC.

Six Berkeley Road

Devon, Pennsylvania 19333

Phone: 215-687-4592

DATE July 8, 1980INVOICE NO. R-289TO: CHEMCLENE CORP.BOX 26R.D. 1MALVERN, PA 19355

RE: Your P.O. Verbal (Western Electric); our job # 76-1-80

TERMS: Net 30 days

## DESCRIPTION:

- Disposal of 80 drums @ \$38.50/drum \$3080.00

## TRANSPORTATION:

- to Alabama \$1700.00

## MISCELLANEOUS:

- Lost time for leaking drums \$380.00

SUBTOTAL: \$5160.00

- Less overweight time -\$1135.00

TOTAL: \$4025.00

**PAID**CHECK No. 10411DATE 11 AUG 80

# STATE OF ALABAMA HAZARDOUS WASTE MANIFEST

TICKET

PRODUCER'S  
JOB NO. 76-1-00  
COPY NO. 2

All Blanks Must Be Filled In

I. Producer of Waste (Must be filled by Producer).

Name of Firm: RESIDENCE TECHNOLOGY SERVICES SIC Code No.: COL6254

Pick-Up Address: 1100 N. Broad St.

Telephone Number: (215) 647-4572 Contract Number: COL6254

Order Placed By: RESIDENCE TECHNOLOGY SERVICES Date: 5/27 80

Waste Information 215-647-4572

No. of Units	Container TYPE	Description of Waste	DOT shipping Classification	Total Qty.	Weight
1.	DRUMS	Chlorinated Still Solvents	Poison B		
2.					
3.		Western Electric			

List all pertinent information related to spills or other emergencies involving above stated wastes (i.e., potential dangers, best clean-up techniques).

1. DANL UP TO PREVENT SPILLS

2. WATER, ETC. TRAPPED SOIL AND DERRIS

3. \_\_\_\_\_

4. \_\_\_\_\_

YES NO

Are there any handling risks with material?   If yes, list all potential handling risks related to materials (i.e., dermal, oral, inhaled, LD<sub>50</sub>, TLV).

1. DO NOT INGEST

2. DO NOT BREATHE VAPORS

3. AVOID SKIN CONTACT

4. \_\_\_\_\_

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

John J. Bland Jr.

Signature of Authorized Agent and Title

II. Hauler of Waste (Must be filled by Hauler).

Name: LIGHTMAN DRUM CO.

Address: BELMONT, NJ

Telephone Number: (215) 687-4592

State Hazardous Waste Hauler Registration Number (if applicable): \_\_\_\_\_

Pick-Up Date: 5/27, 1980 Time 11:50 AM PM

Job No.: \_\_\_\_\_ Number of Loads or Trips \_\_\_\_\_ Unit \_\_\_\_\_

TYPE Vehicle:  Vacuum Truck,  Flatbed,  Dump Truck  Barrels  
 Other VAN TRAILER

YES NO Specify

Were any problems encountered in transporting?   If yes list all problems.

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

The above waste was hauled by me to the disposal facility named below and was accepted.

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

John J. Bland Jr.

Signature of Authorized Agent and Title

III. Disposer of Waste (Must be filled by Disposer).

Name: WASTE MANAGEMENT/D.B.A. RESOURCE INDUSTRIES

Disposal Site Address: Eagle Rock Laboratories

Telephone Number: 652-9531

Waste Arrived: Date 6/19, 1980 Time 11:50 AM PM

Quantity Received: 80 barrels, 0 gallons, 0 Cu. Ft.

Handling Method(s):

- Recovery
- Treatment (specify) H-10
- Disposal (specify)  lagoon  landfill  other

If waste is held for disposal elsewhere, specify final location.

Disposal Date: 6-19, 1980

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

John J. Bland Jr.

Signature of Authorized Agent and Title